

FIG.1

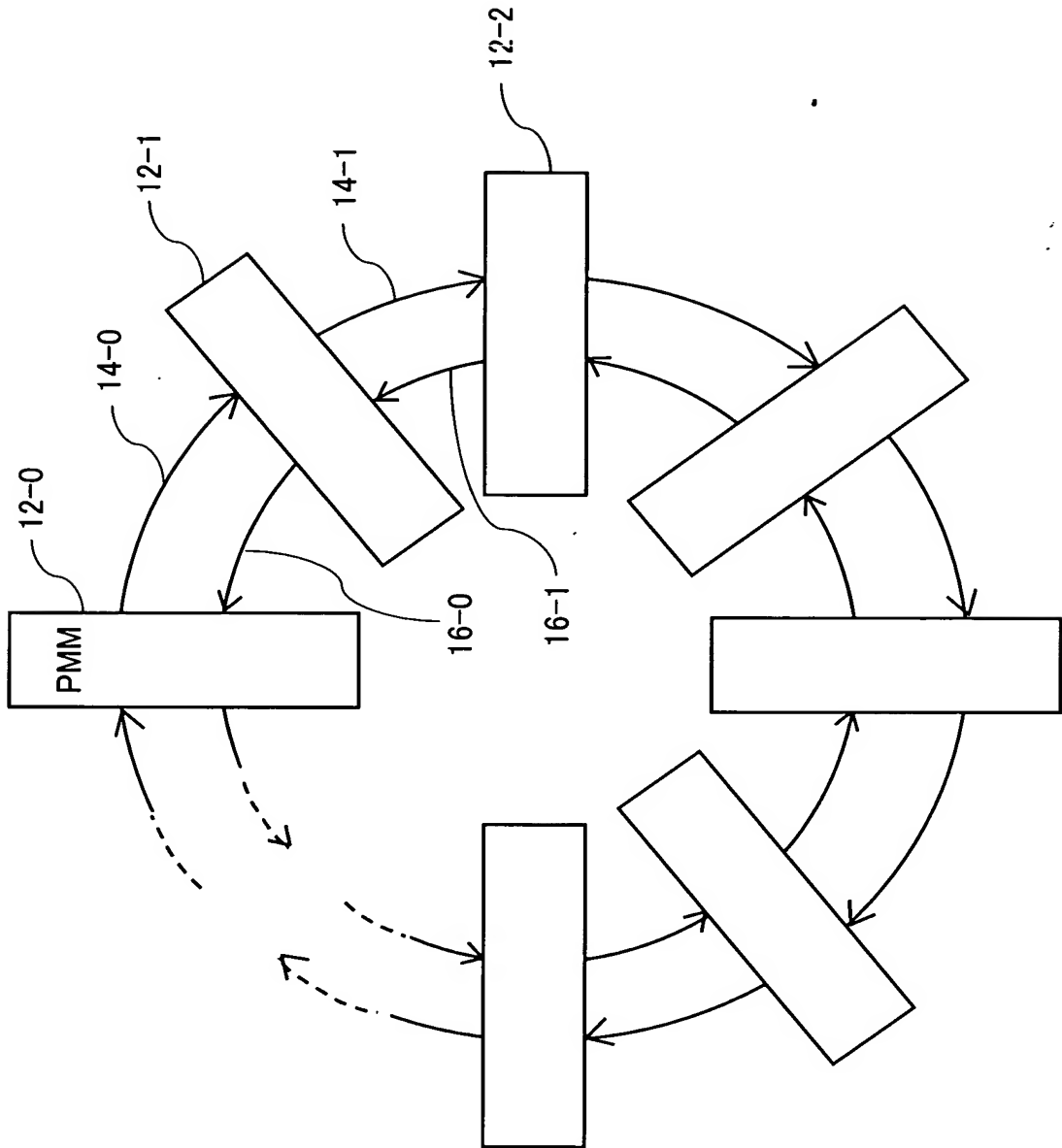
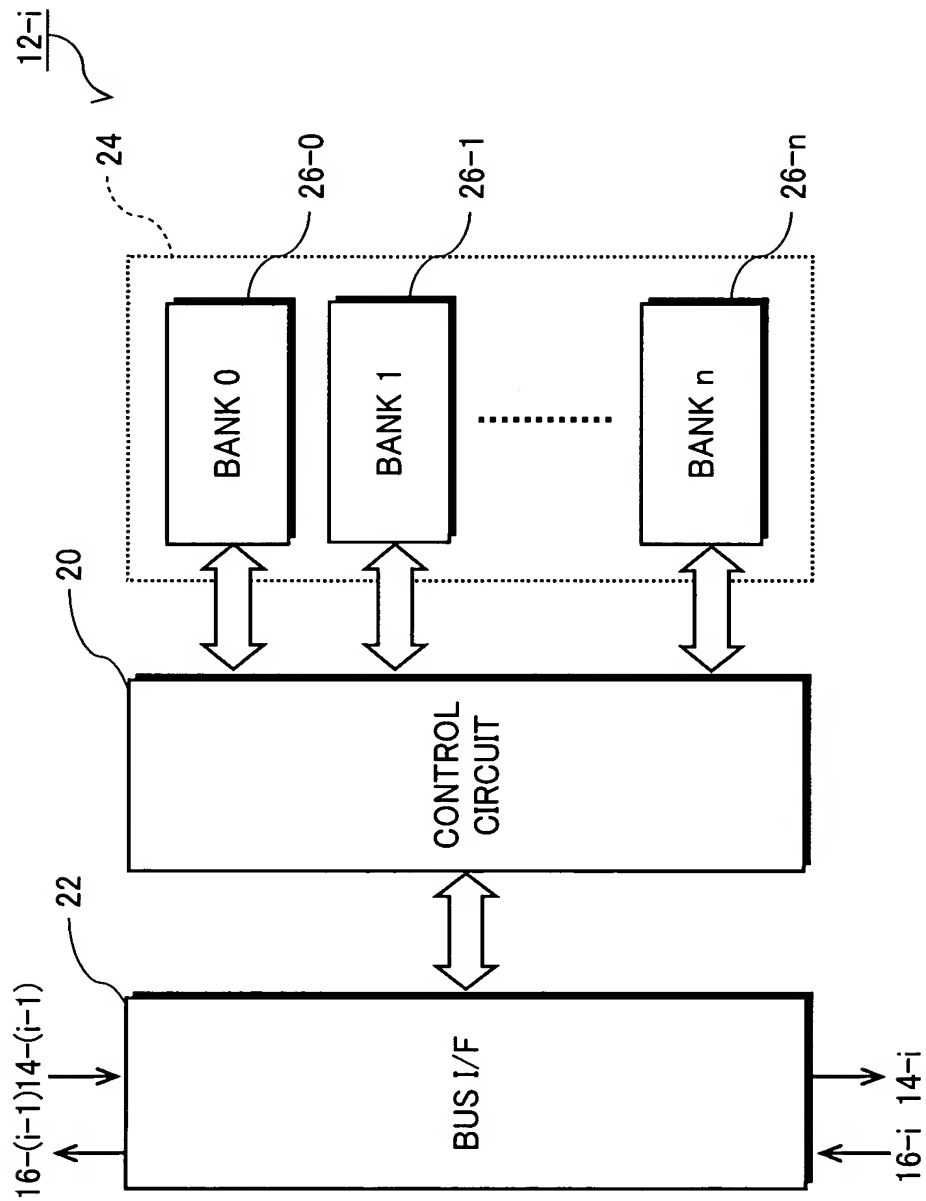


FIG.2



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FIG.3

	GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
0	FEMALE	18	168	55
1	MALE	21	172	64
2	FEMALE	24	159	48
3	FEMALE	16	172	48
4	MALE	28	181	78
5	FEMALE	20	166	55
6	FEMALE	16	168	52
7	MALE	33	174	65
8	MALE	24	177	64
9	FEMALE	18	170	55

FIG.4

GENDER		AGE		HEIGHT		WEIGHT	
OrdSet	VNo	VNo	VL	VNo	VL	VNo	VL
0	1	0	16	0	159	0	48
1	0	1	18	1	166	1	52
2	1	2	20	2	168	2	55
3	1	3	21	3	170	3	64
4	0	4	24	4	172	4	65
5	1	5	28	5	174	5	78
6	1	6	33	6	177	6	ASCENDING
7	0	7	ORDER	7	181	7	ORDER
8	0	8		8		8	
9	1	9		9		9	

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FIG.5

OFFSET= 0

PMM-0

	GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
0	FEMALE	18	168	55
1	MALE	21	172	64
2	FEMALE	24	159	48

OFFSET= 3

PMM-1

	GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
0	FEMALE	16	172	48
1	MALE	28	181	78

OFFSET= 5

PMM-2

	GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
0	FEMALE	20	166	55
1	FEMALE	16	168	52
2	MALE	33	174	65

OFFSET= 8

PMM-3

	GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
0	MALE	24	177	64
1	FEMALE	18	170	55

FIG.6

GENDER (PMM-0)			AGE (PMM-0)			HEIGHT (PMM-0)			WEIGHT (PMM-0)		
VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo
0 1	0 MALE	0 -	0 0	0 18	0 -	0 1	0 159	0 -	0 1	0 48	0 -
1 0	1 FEMALE	1 -	1 1	1 21	1 -	1 2	1 168	1 -	1 2	1 55	1 -
2 1	ASCENDING ORDER	ASCENDING ORDER	2 2	2 24	2 -	2 0	2 172	2 -	2 0	2 64	2 -

GOrd OrdSet

0 - 0

1 - 1

2 - 2

ASCENDING ORDER

GENDER (PMM-1)			AGE (PMM-1)			HEIGHT (PMM-1)			WEIGHT (PMM-1)		
VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo
0 1	0 MALE	0 -	0 0	0 16	0 -	0 0	0 172	0 -	0 0	0 48	0 -
1 0	1 FEMALE	1 -	1 1	1 28	1 -	1 1	1 181	1 -	1 1	1 78	1 -

GOrd OrdSet

0 - 0

1 - 1

ASCENDING ORDER

FIG.7

GENDER (PMM-2)				AGE (PMM-2)				HEIGHT (PMM-2)				WEIGHT (PMM-2)			
VNo	VL	GVNo		VNo	VL	GVNo		VNo	VL	GVNo		VNo	VL	GVNo	
0	1	0	MALE	0	16	0	-	0	166	0	-	0	52	0	-
1	1	1	FEMALE	1	20	1	-	1	168	1	-	1	55	1	-
2	0			2	33	2	-	2	174	2	-	2	65	2	-
ASCENDING ORDER				ASCENDING ORDER				ASCENDING ORDER				ASCENDING ORDER			

GOrd OrdSet
 0 - 0
 1 - 1
 2 - 2
 ASCENDING ORDER

GENDER (PMM-3)				AGE (PMM-3)				HEIGHT (PMM-3)				WEIGHT (PMM-3)			
VNo	VL	GVNo		VNo	VL	GVNo		VNo	VL	GVNo		VNo	VL	GVNo	
0	0	0	MALE	0	18	0	-	0	170	0	-	0	55	0	-
1	1	1	FEMALE	1	24	1	-	1	177	1	-	1	64	1	-
ASCENDING ORDER				ASCENDING ORDER				ASCENDING ORDER				ASCENDING ORDER			

GOrd OrdSet
 0 - 0
 1 - 1
 ASCENDING ORDER

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FIG.8

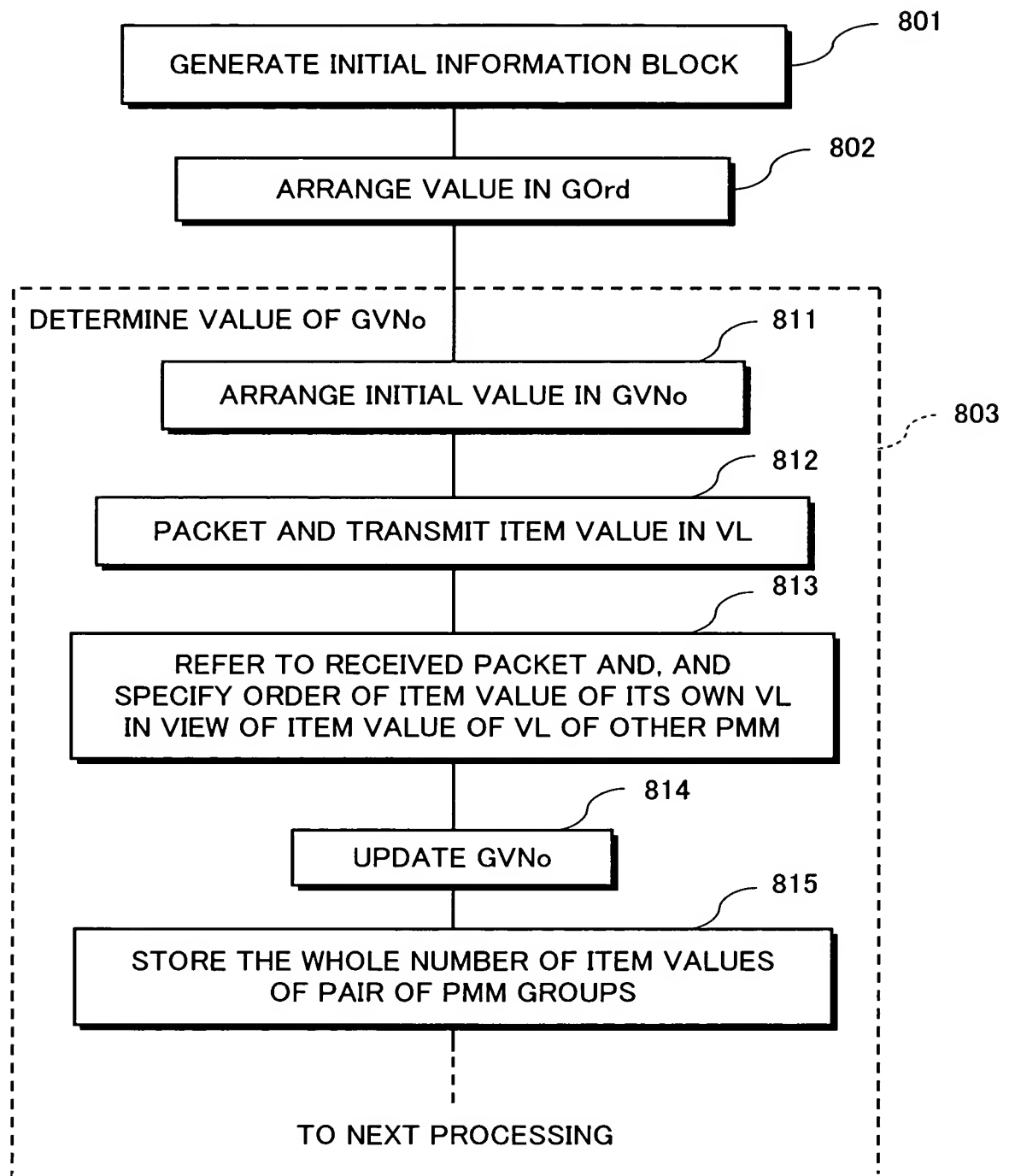


FIG.9

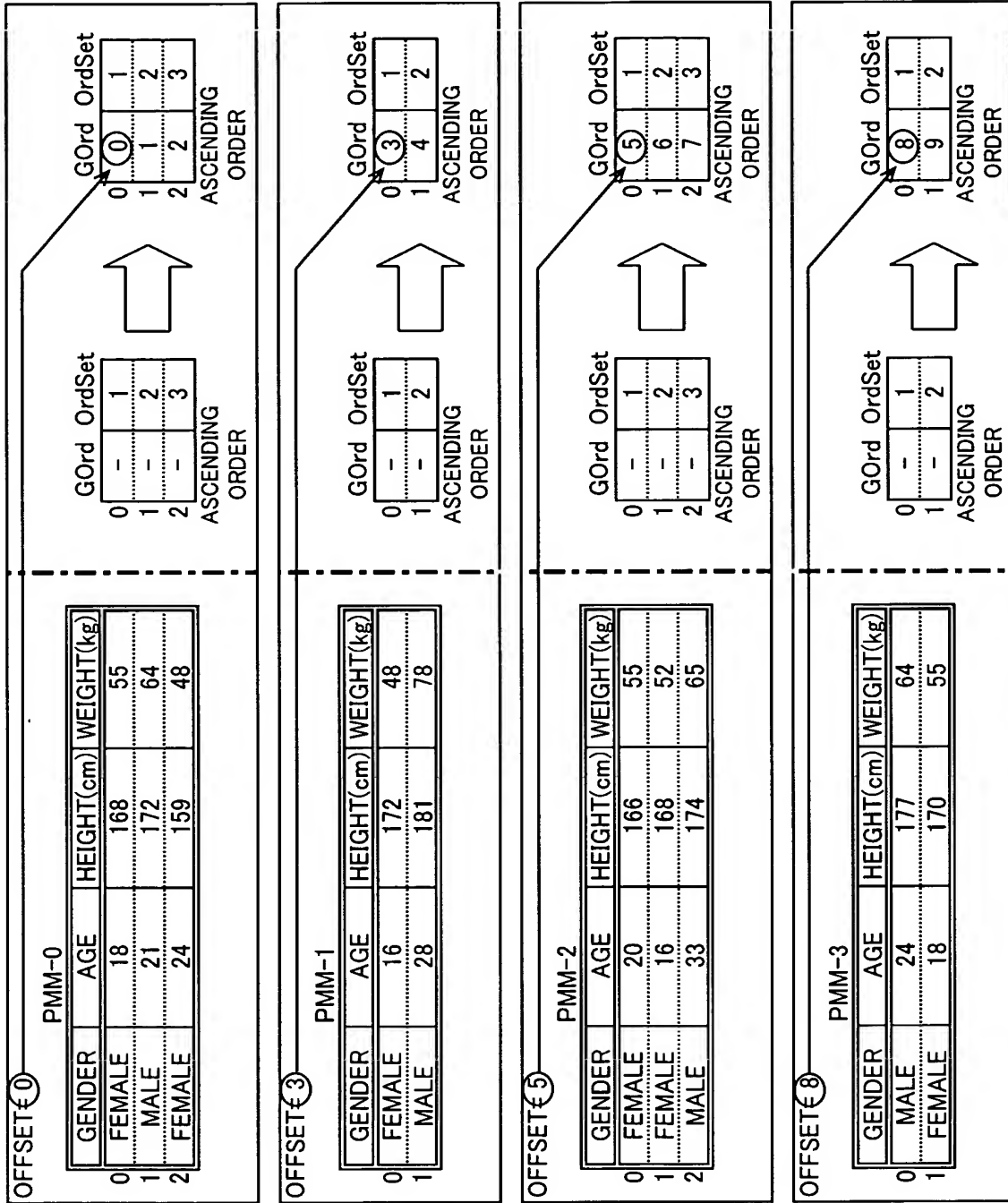


FIG.10

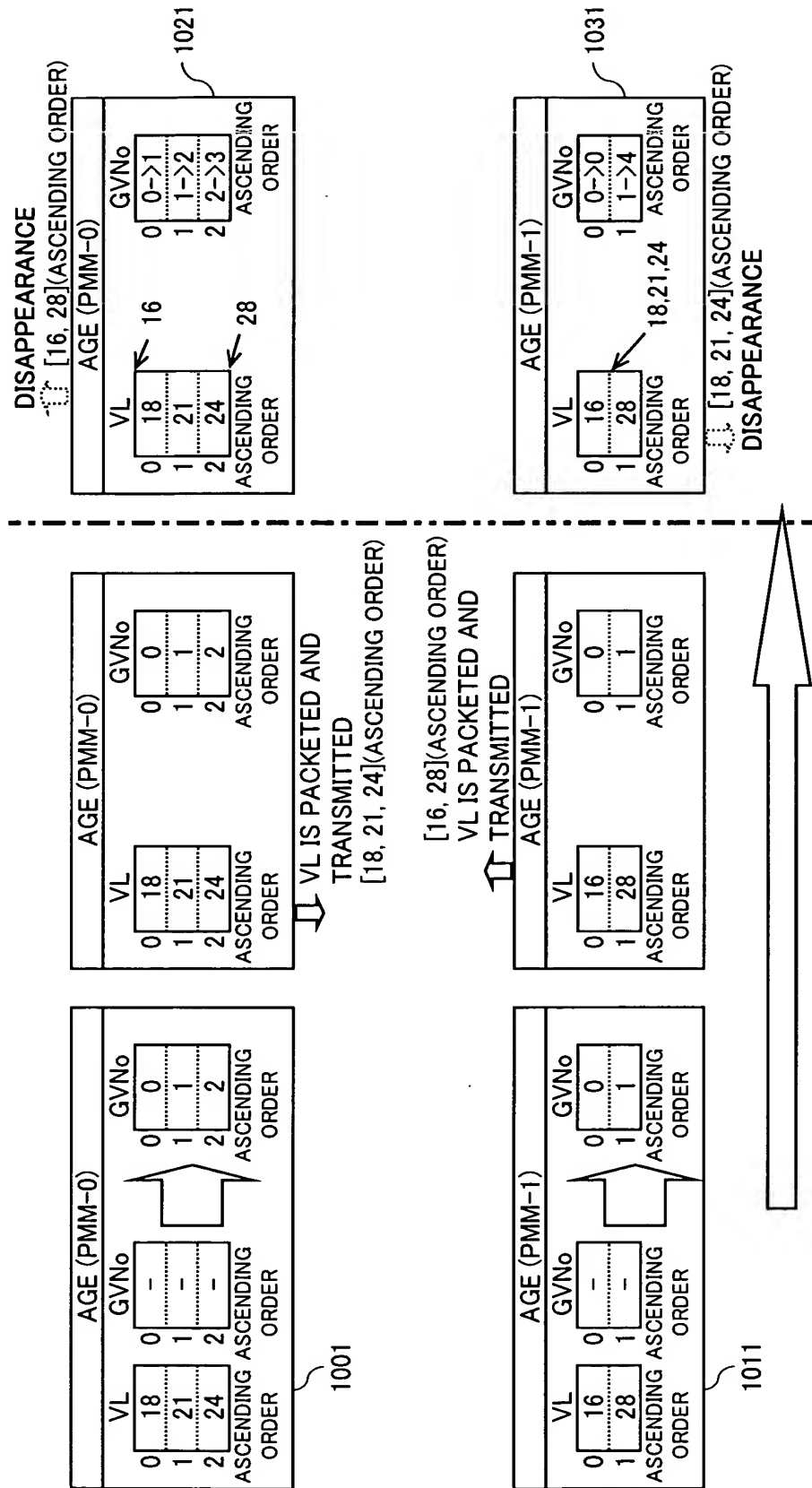
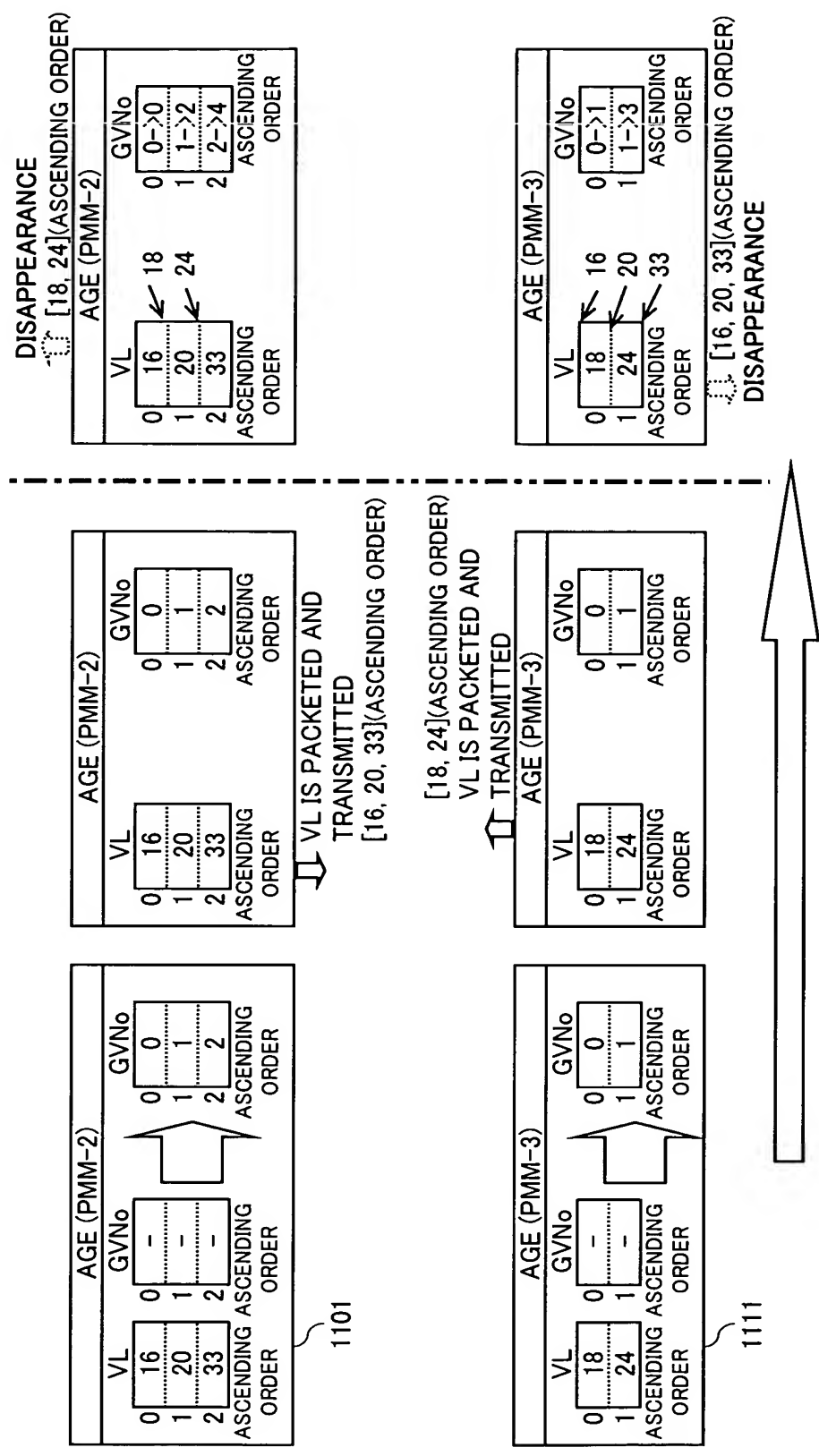
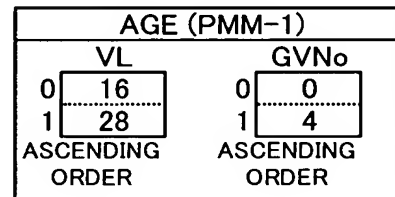
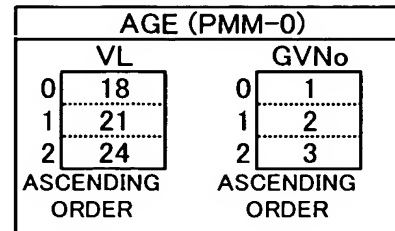
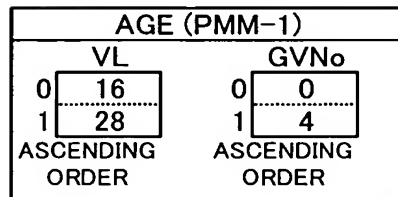
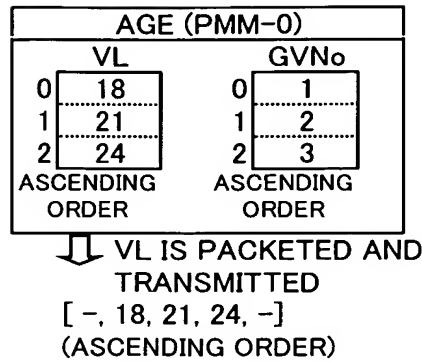



FIG.11



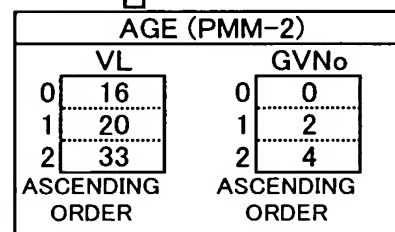
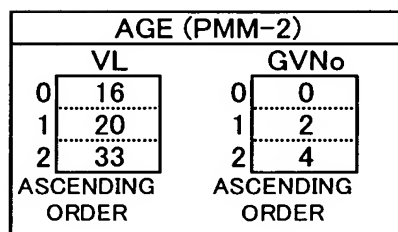
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FIG.12



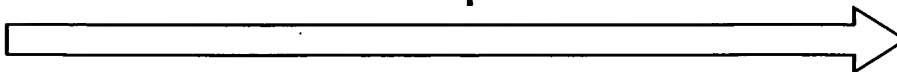
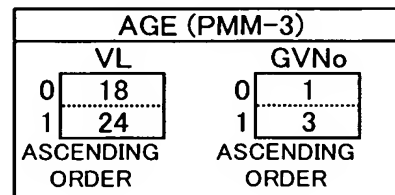
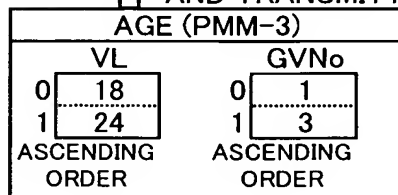
 [16, 18, 21, 24, 28]
 (ASCENDING ORDER)

(ASCENDING ORDER)
 [16, 18, 20, 24, 33]



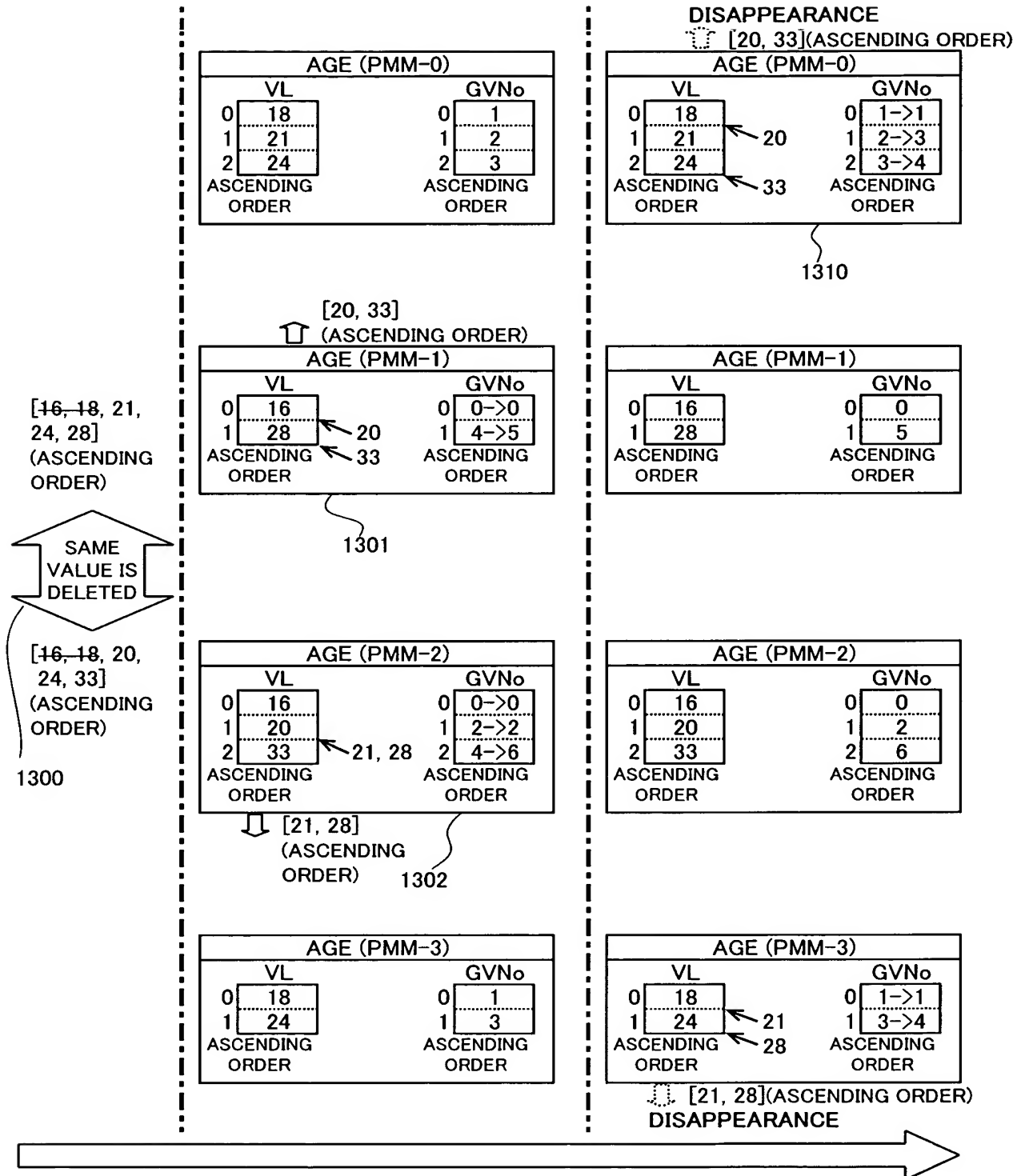
(ASCENDING ORDER)
 [-, 18, -, 24, -]

 VL IS PACKETED AND TRANSMITTED



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FIG.13



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FIG.14A

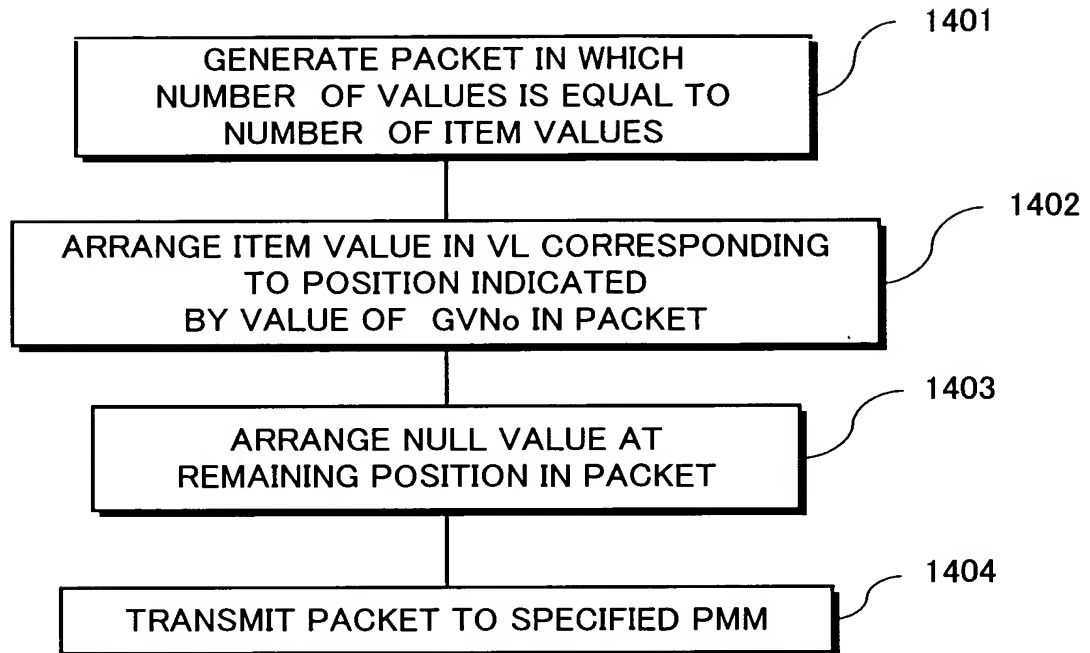
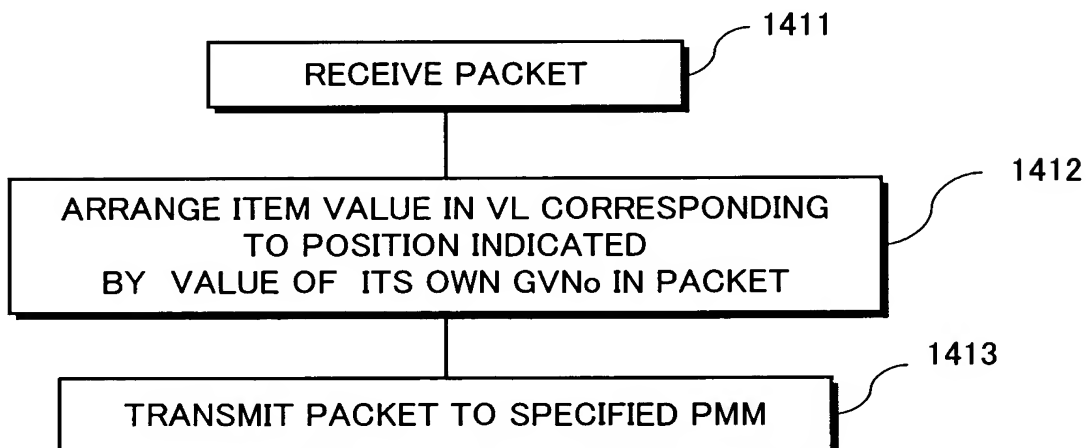


FIG.14B



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FIG.15A

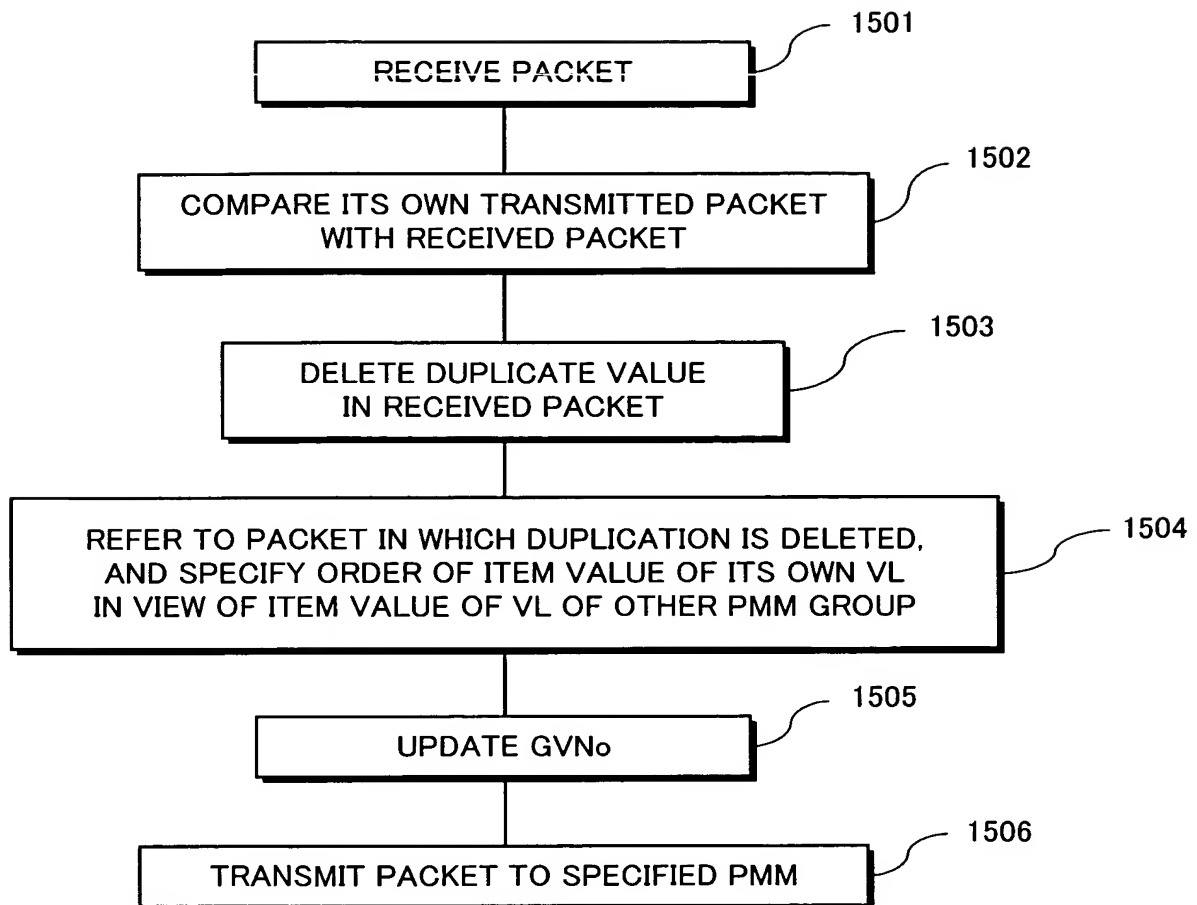
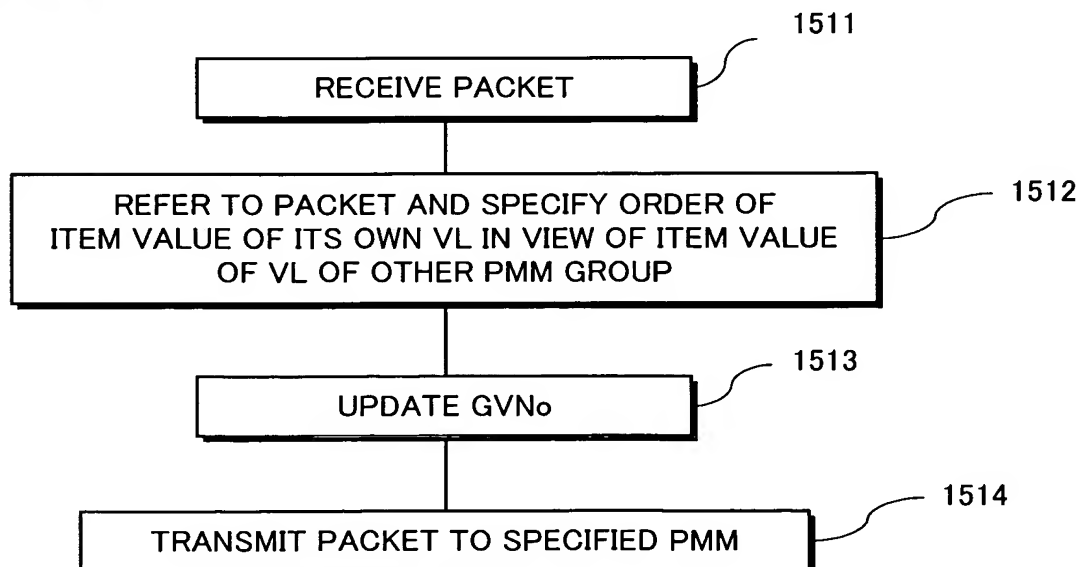


FIG.15B



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FIG.16

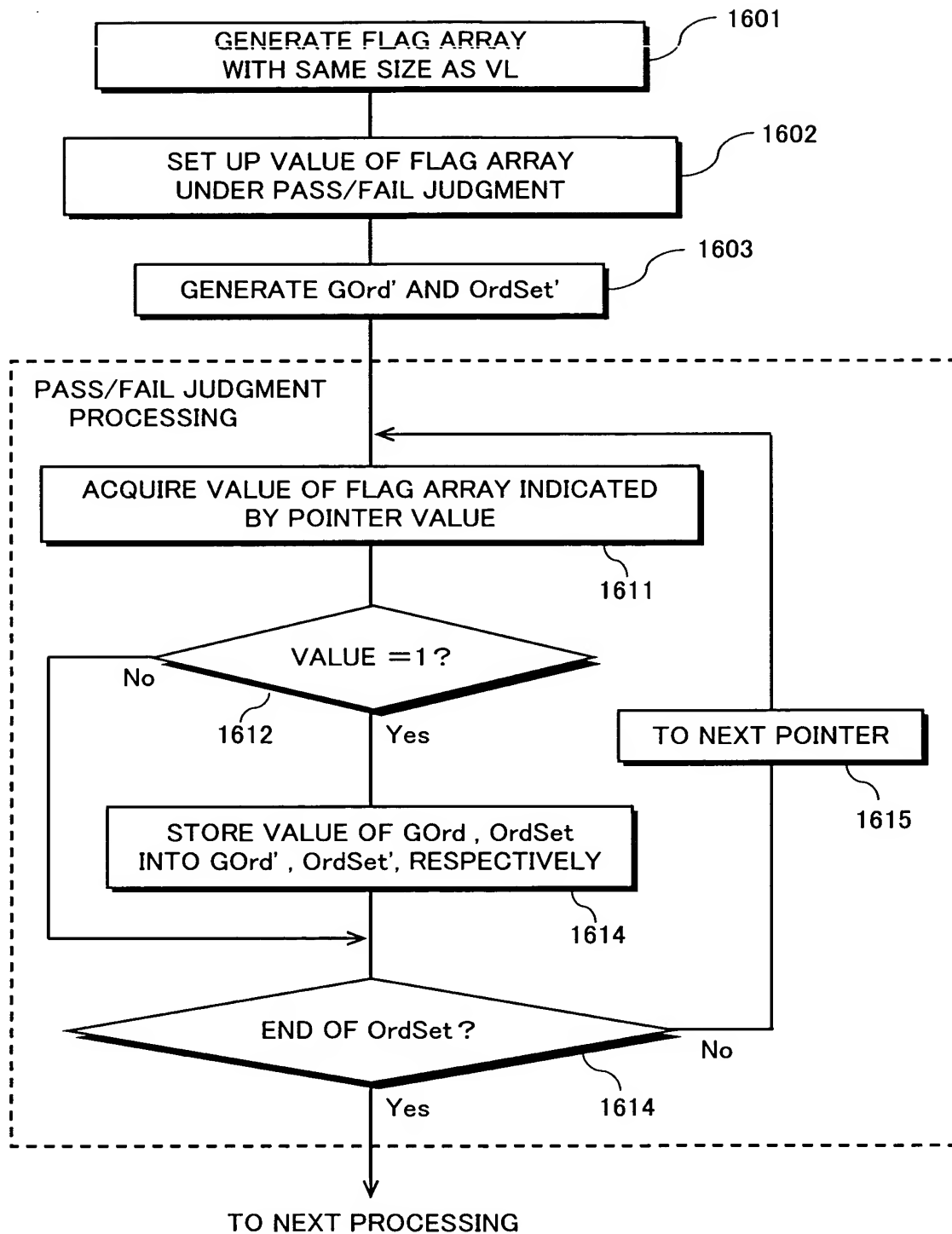


FIG.17

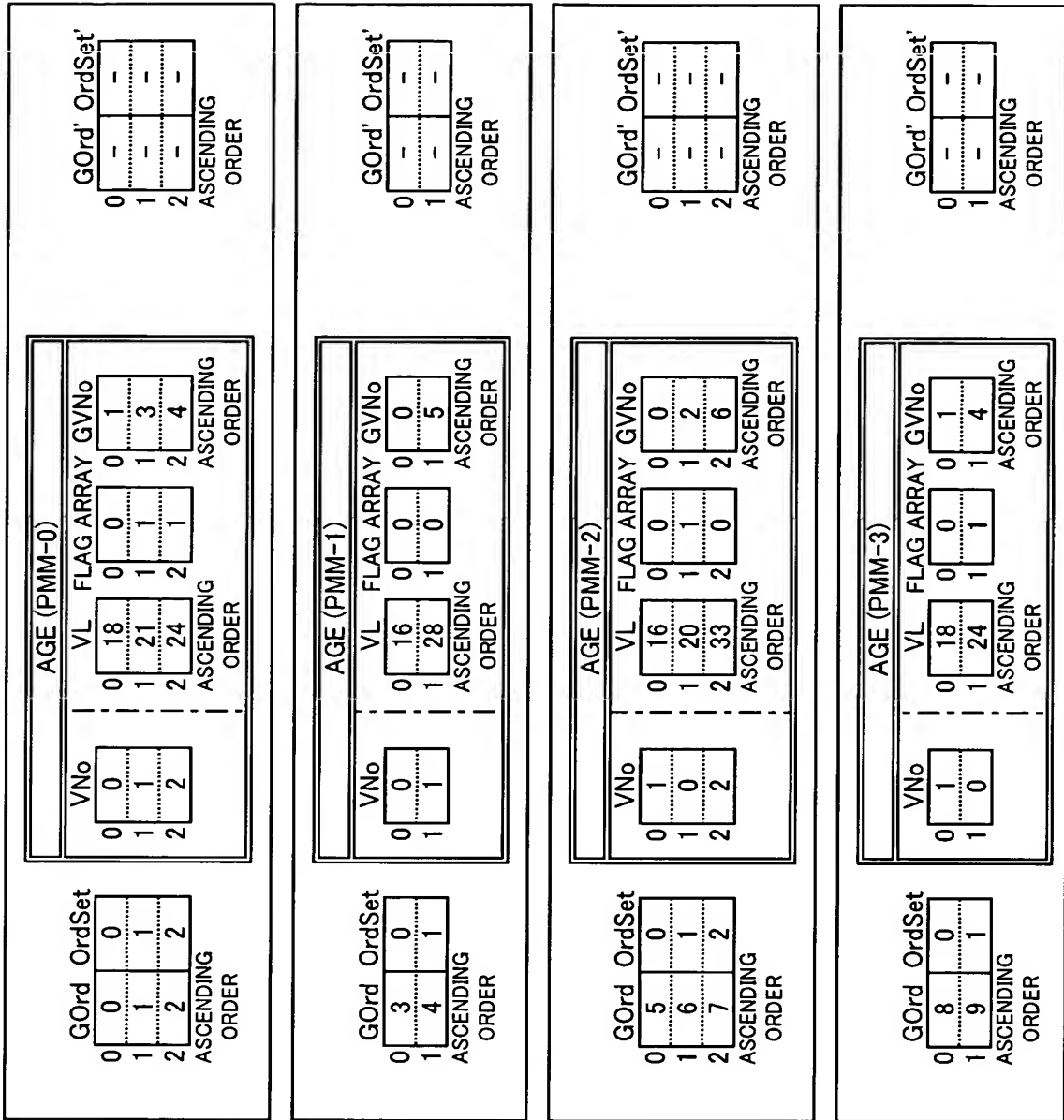


FIG.18

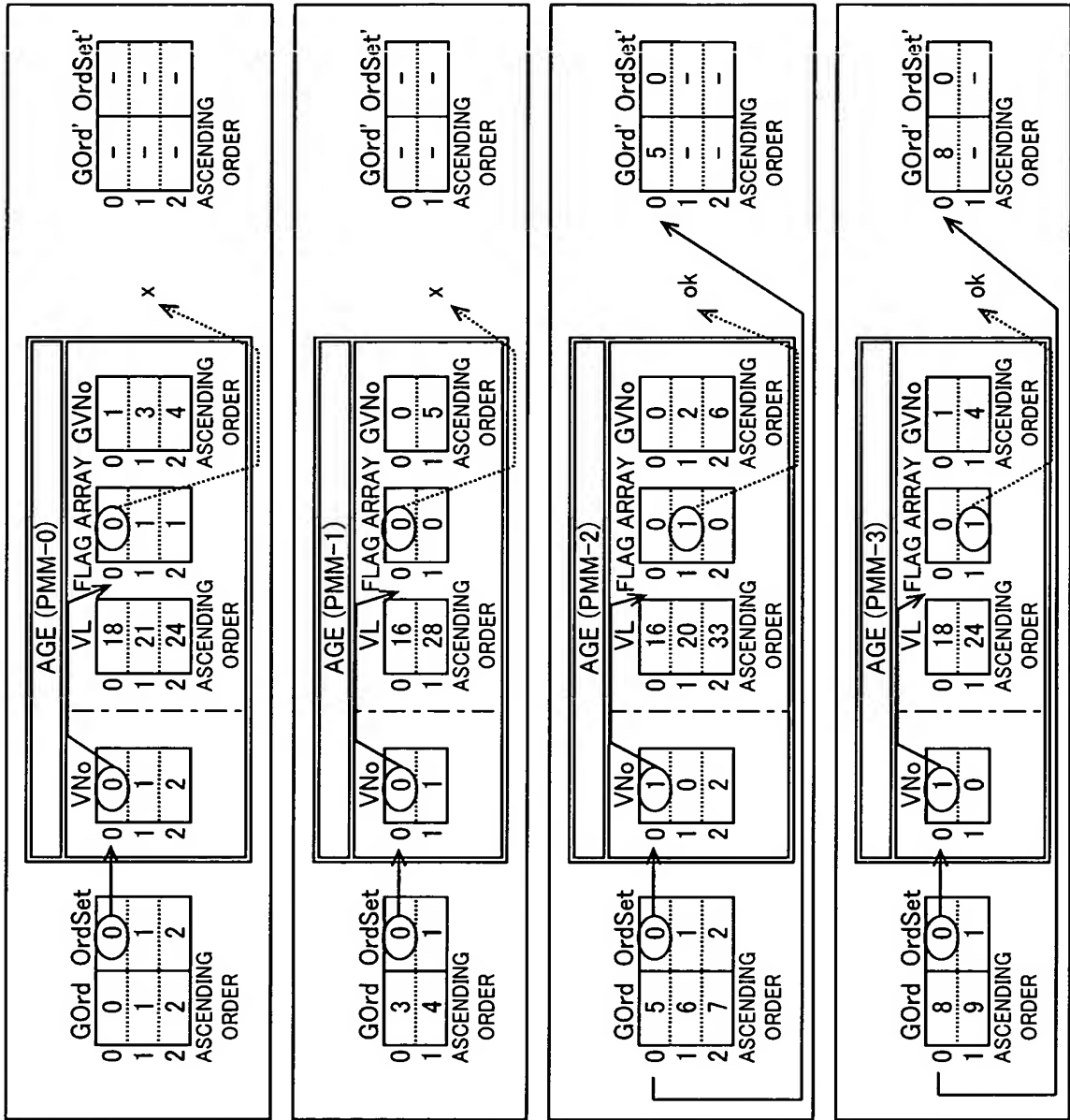
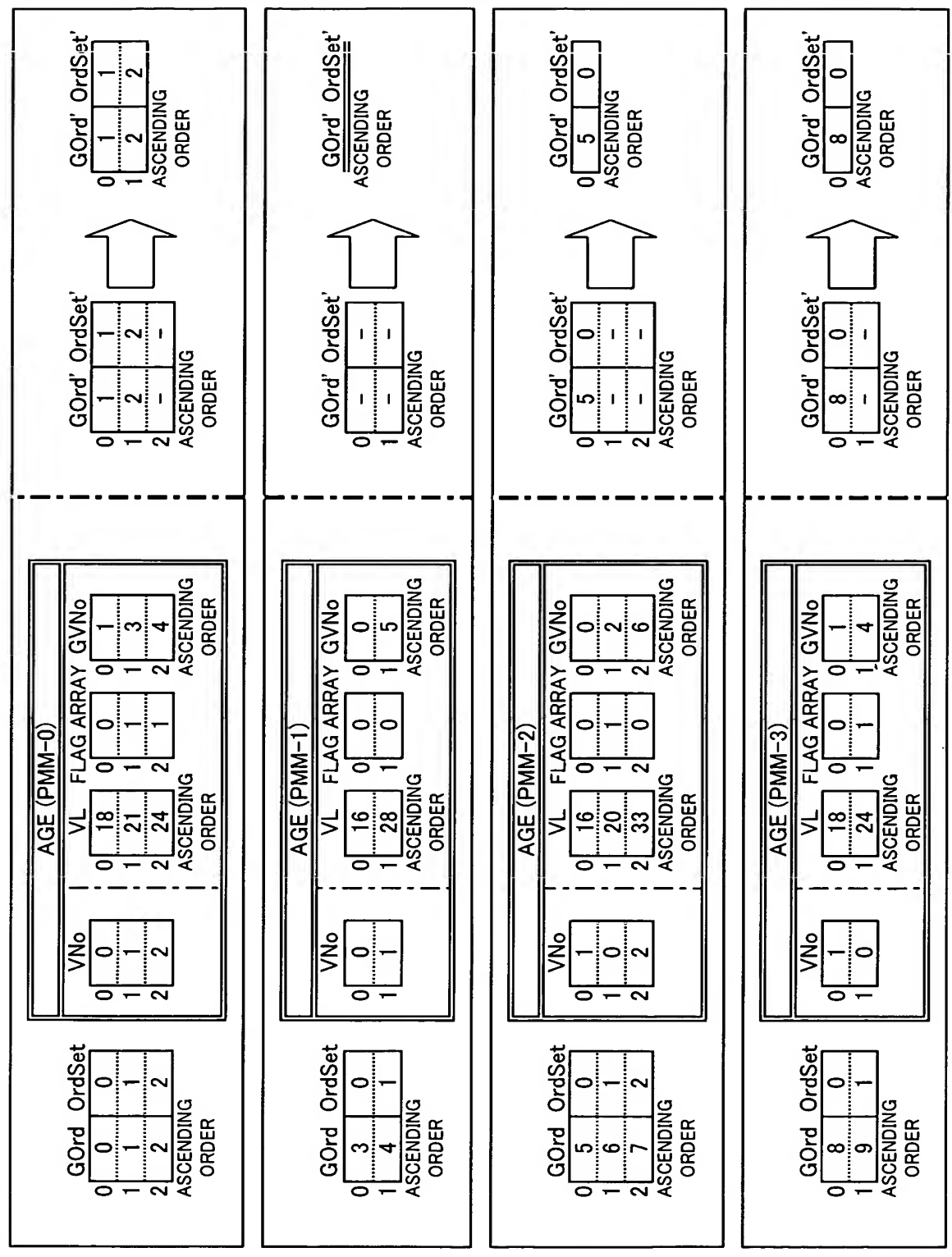
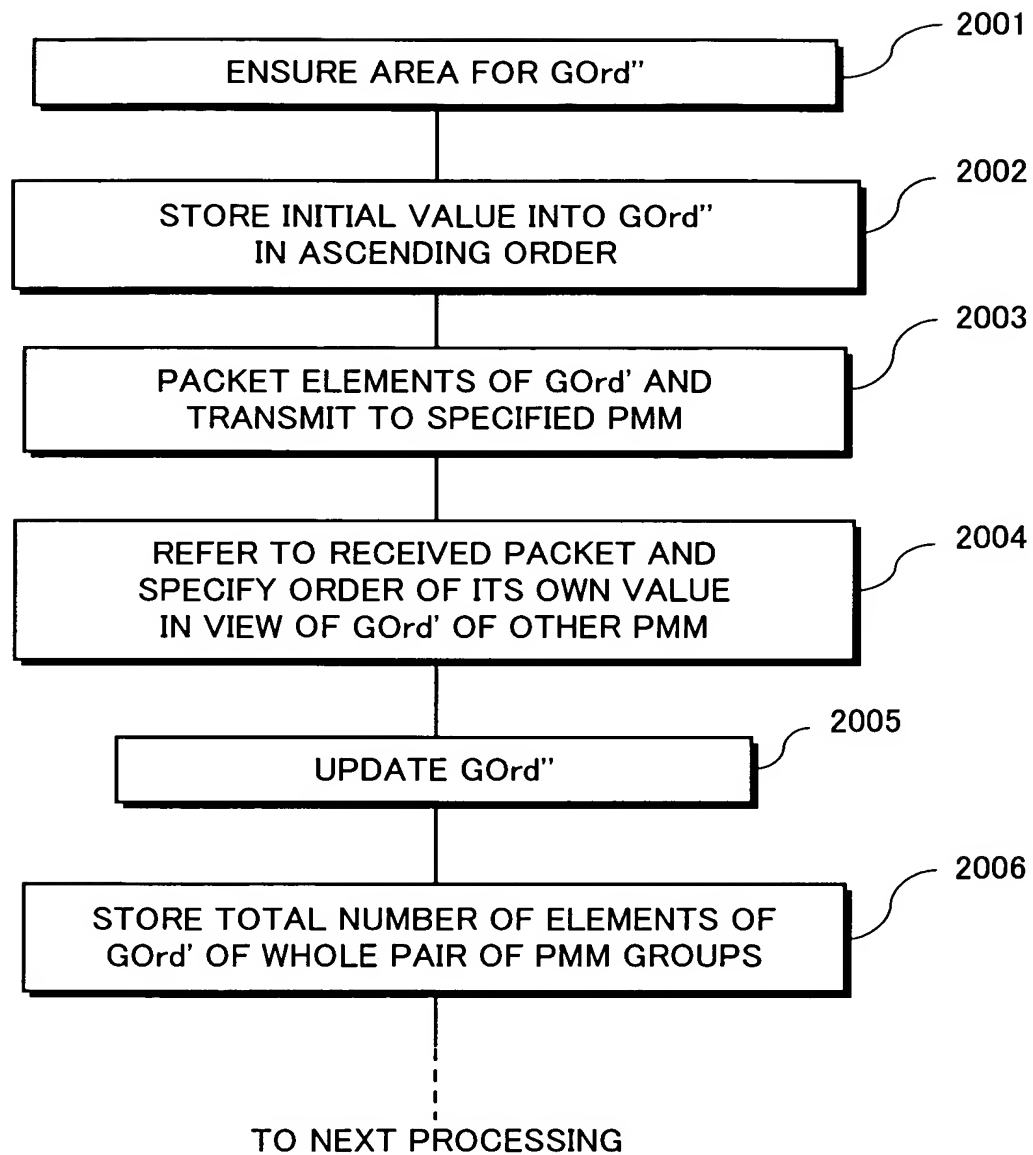


FIG.19



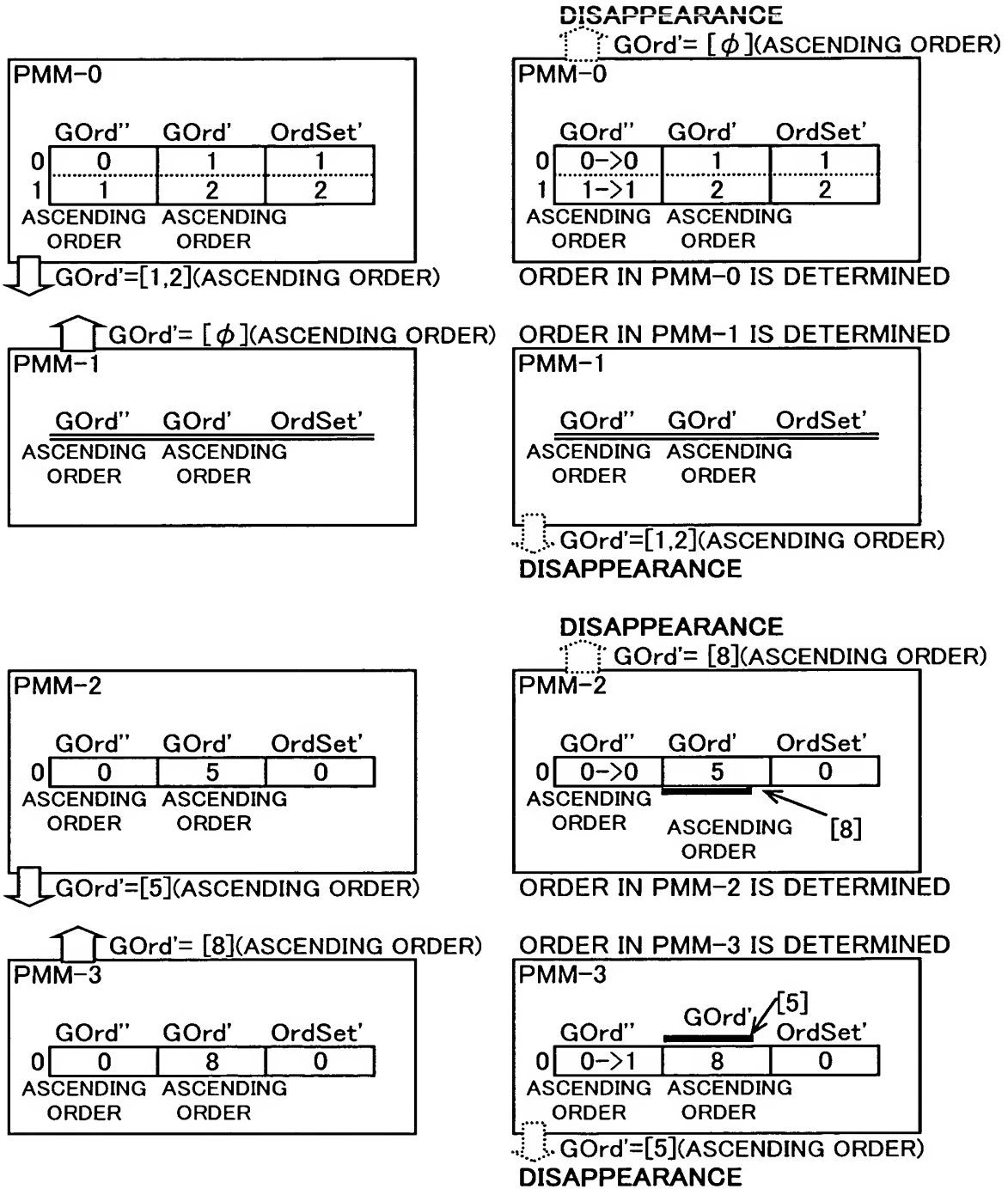
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FIG.20



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FIG.21



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FIG.22A

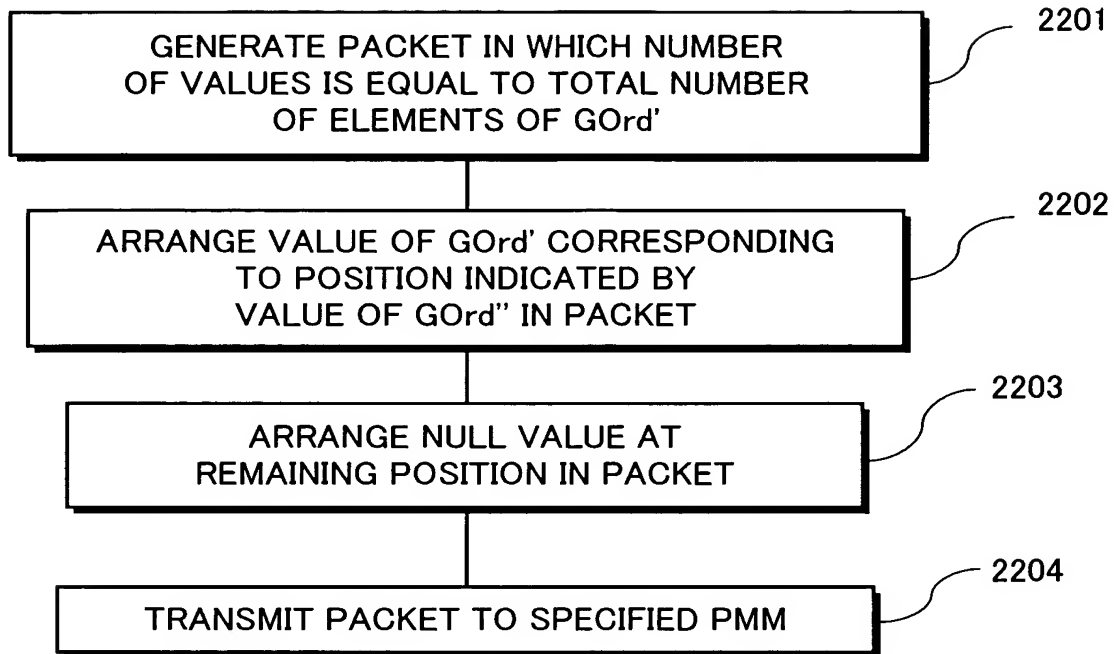
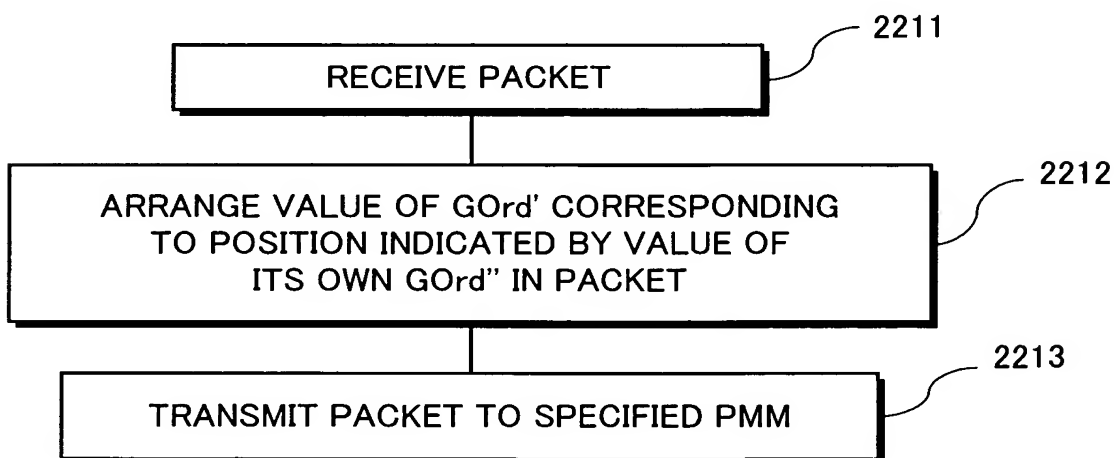
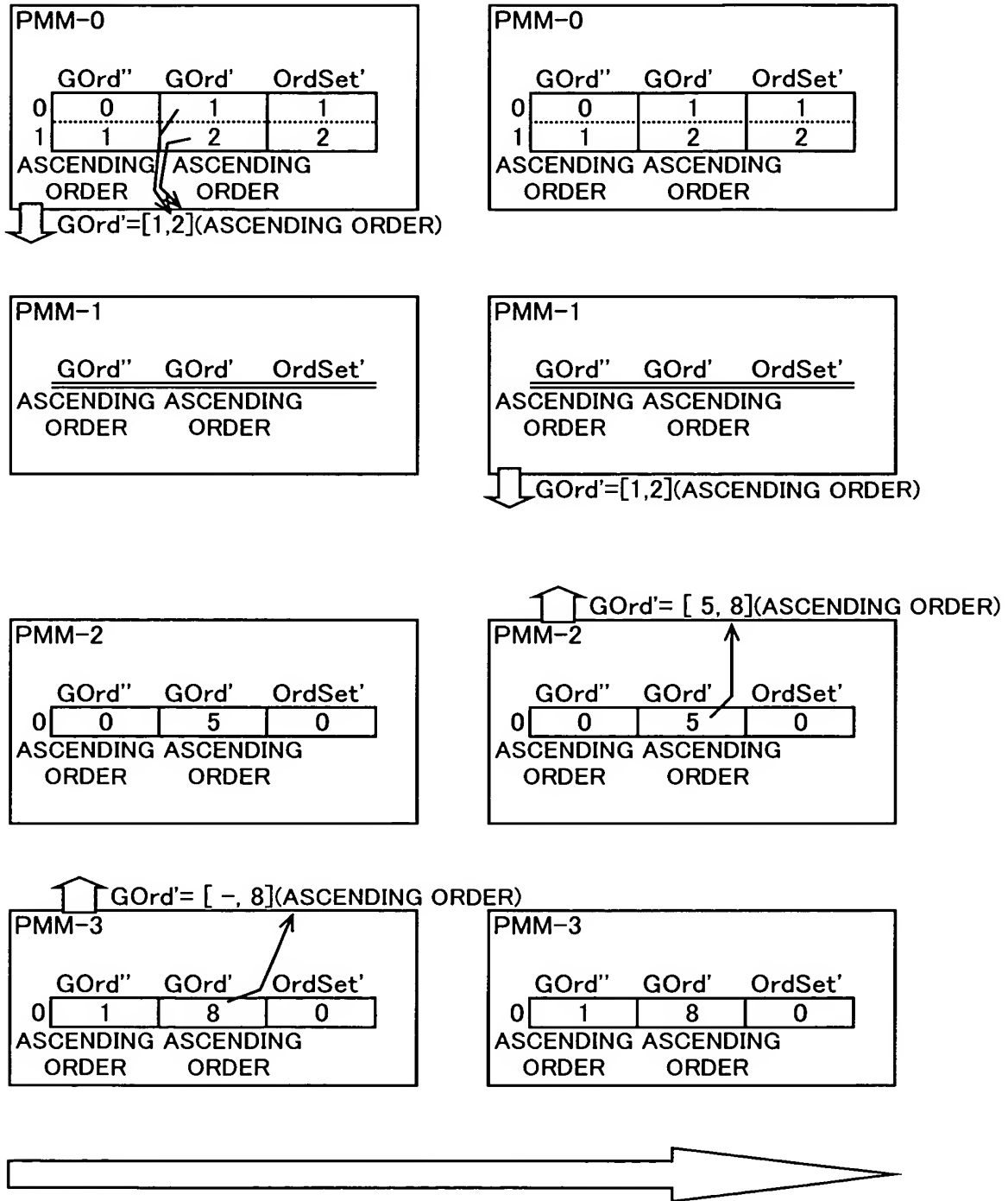


FIG.22B



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FIG.23



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FIG.24

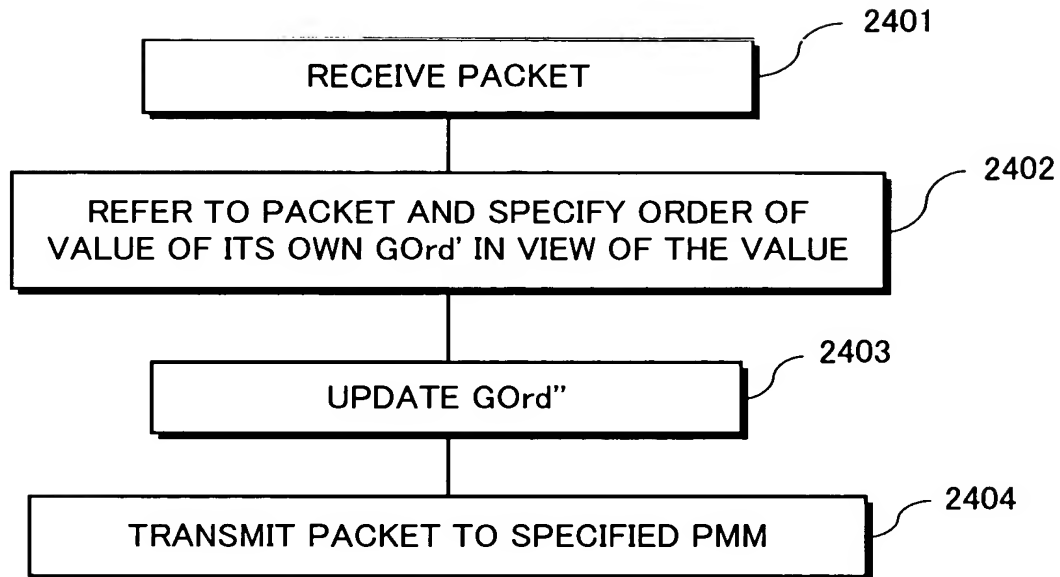


FIG.55

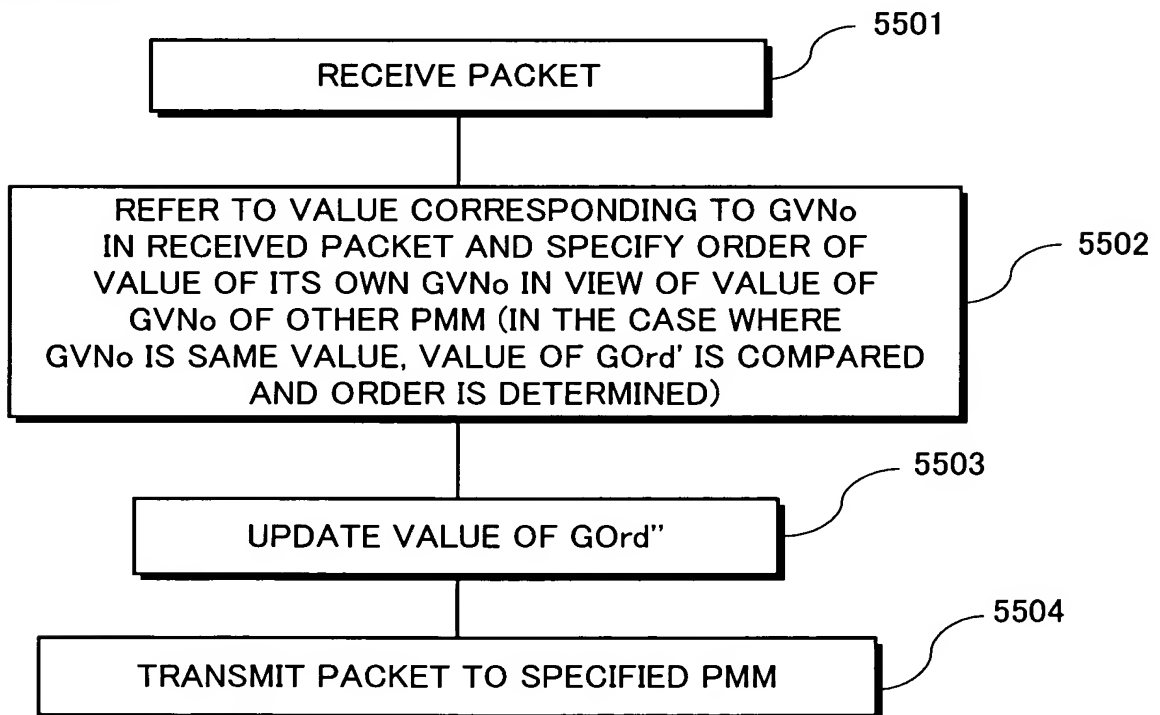
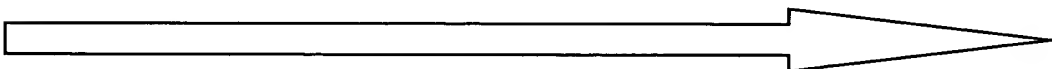
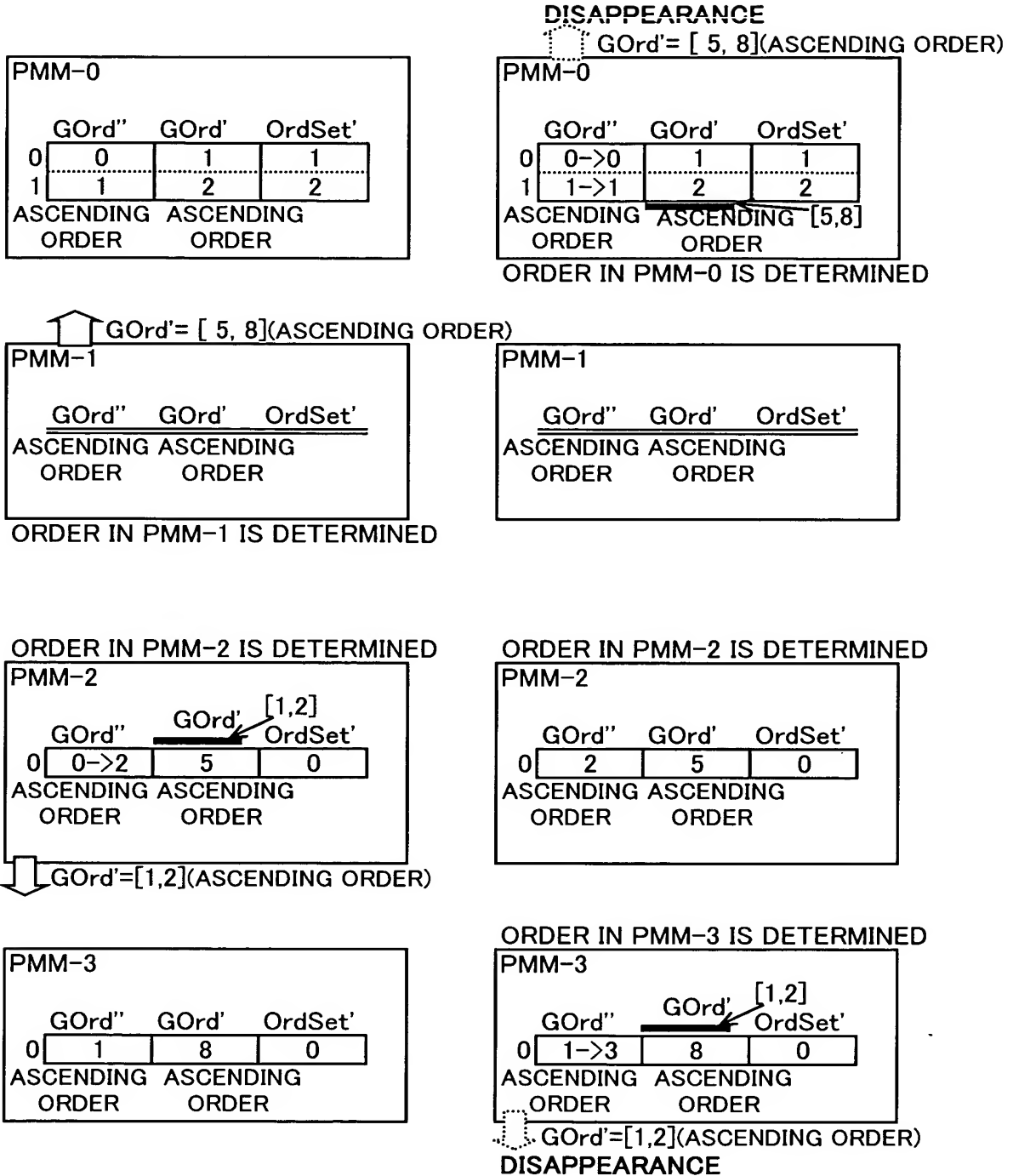
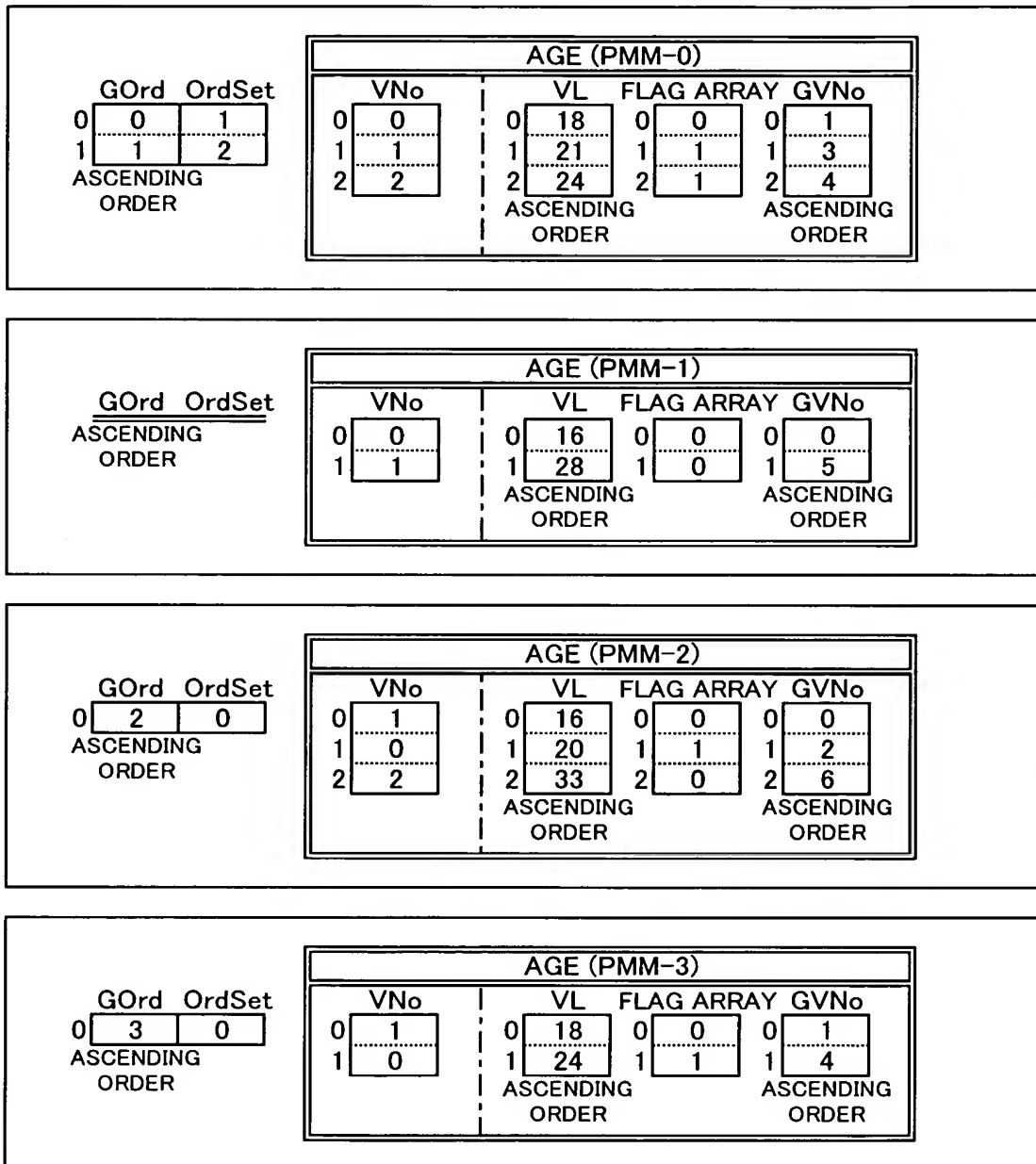


FIG.25



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FIG.26



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FIG.27

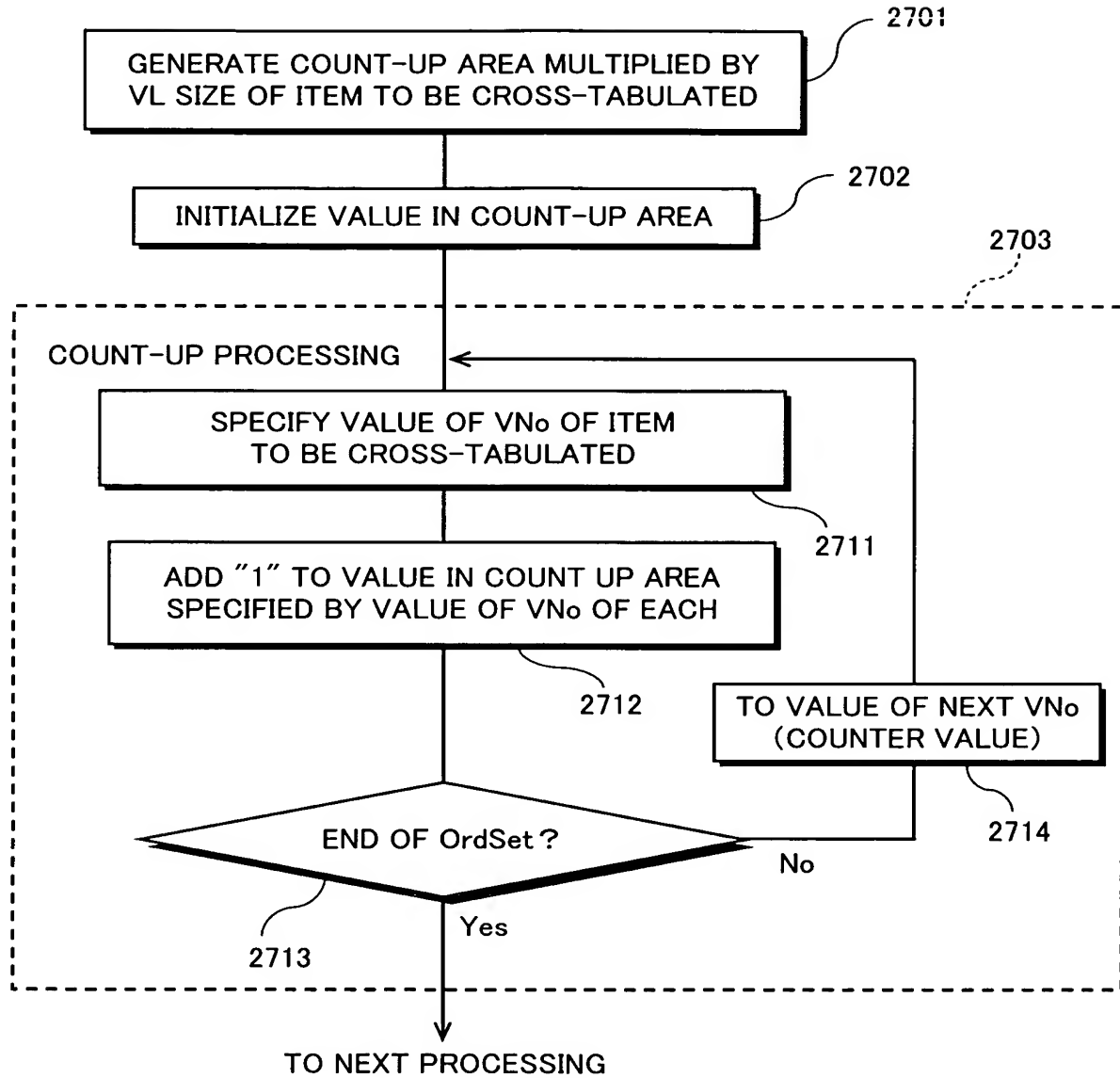


FIG. 28

GOrd			AGE (PMM-0)			GENDER (PMM-0)		
0	0	0	VNo	VL	GVNo	VNo	VL	GVNo
1	1	1	0	0	0	0	0	1
2	2	2	1	1	1	1	21	3
			2	2	2	2	24	4
ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER		

GOrd		OrdSet		GENDER (PMM-1)						AGE (PMM-1)					
0	3	0	0	VNo		VL		GVNo		VNo		VL		GVNo	
1	4	1	1	0 1 1 0		0 MALE 1 FEMALE		0 0 1 1		0 0 1 1		0 16 1 28		0 0 1 5	
				ASCENDING ORDER		ASCENDING ORDER		ASCENDING ORDER		ASCENDING ORDER		ASCENDING ORDER		ASCENDING ORDER	
				AGE											
				16 28											
				✓ ✓											
				0 1											
				GENDER											
				MALE →											
				FEMALE →											
				0 1											

[illegible][illegible]

FIG.29

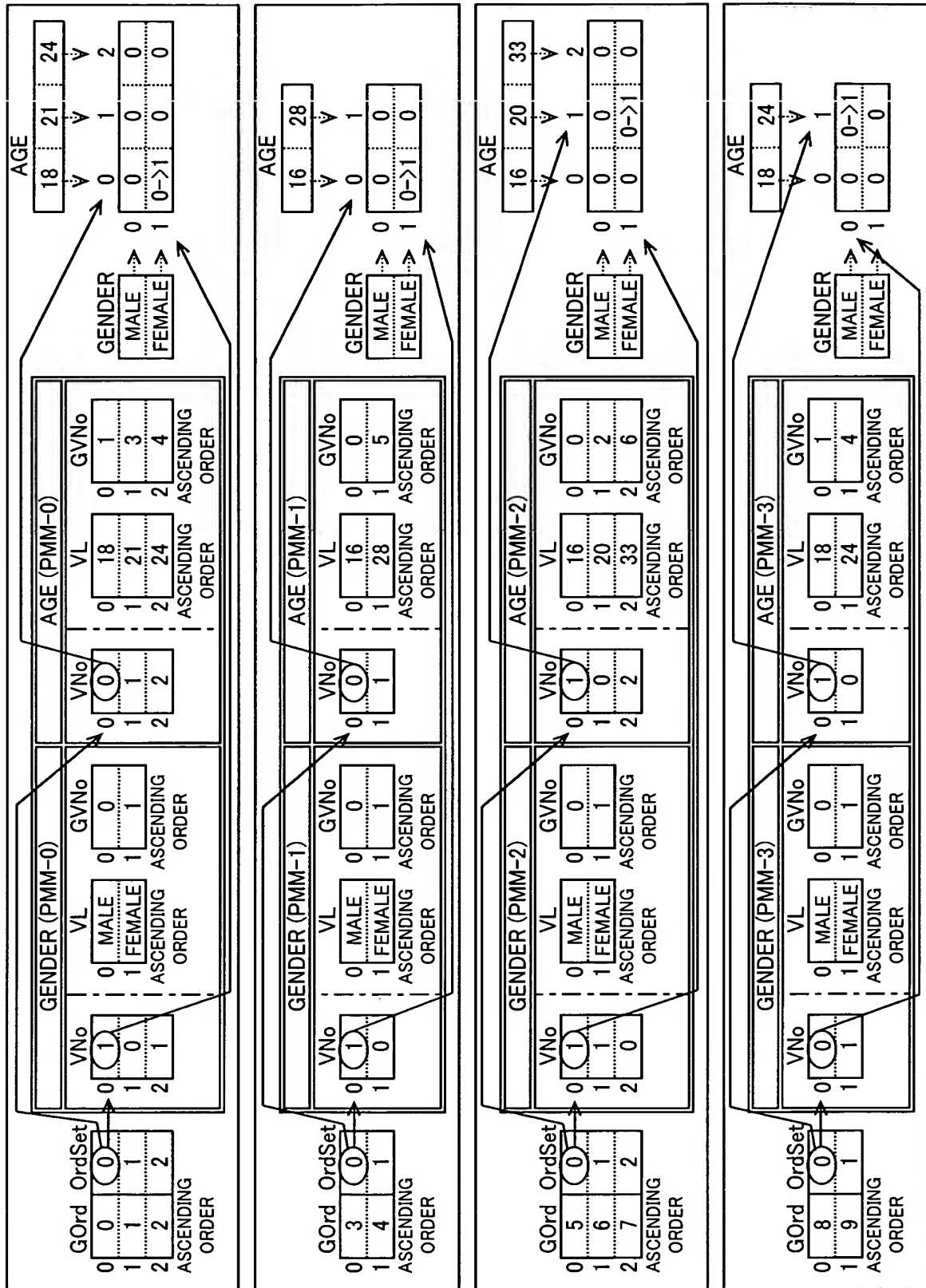
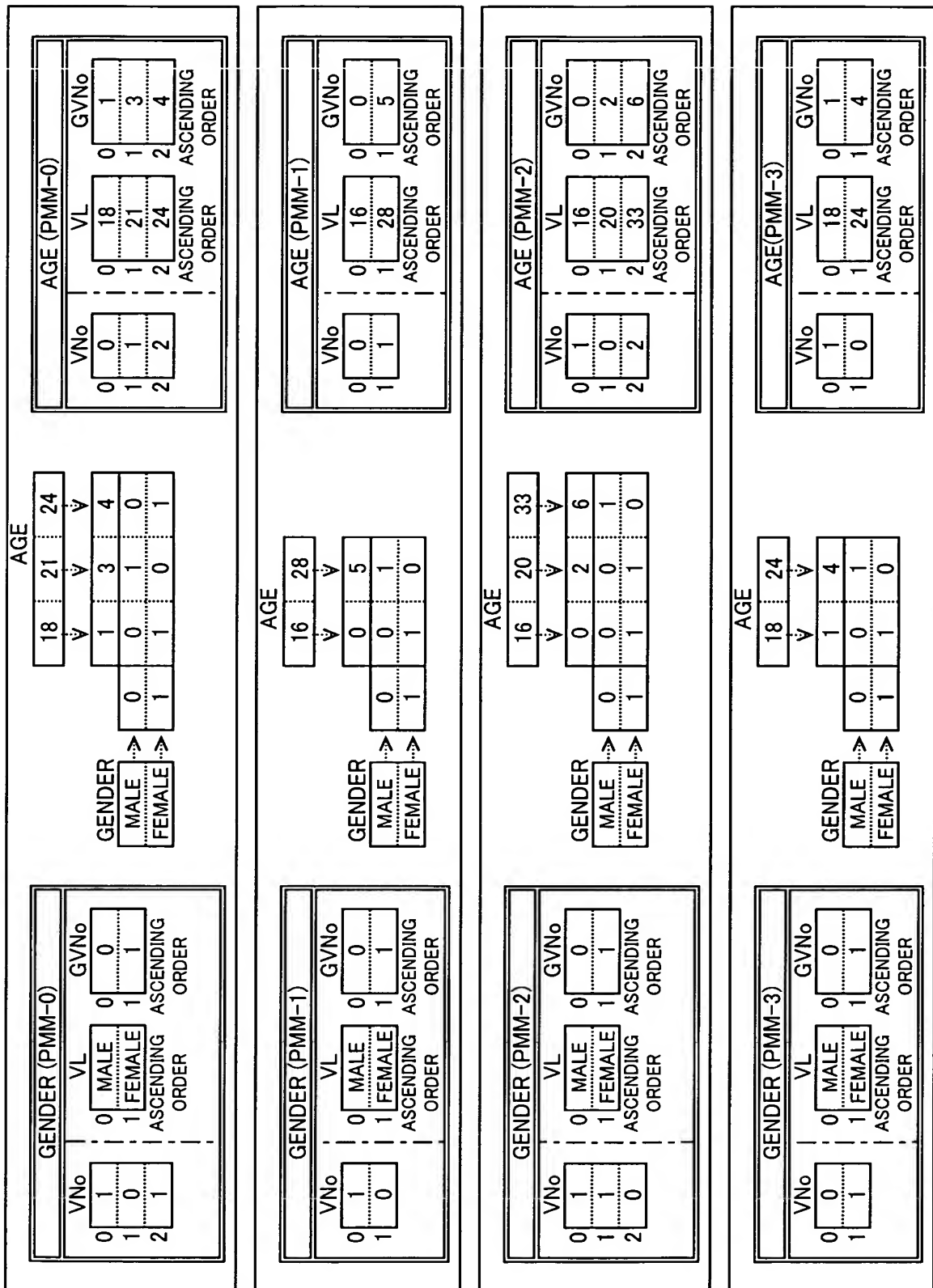


FIG.30



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FIG.31A

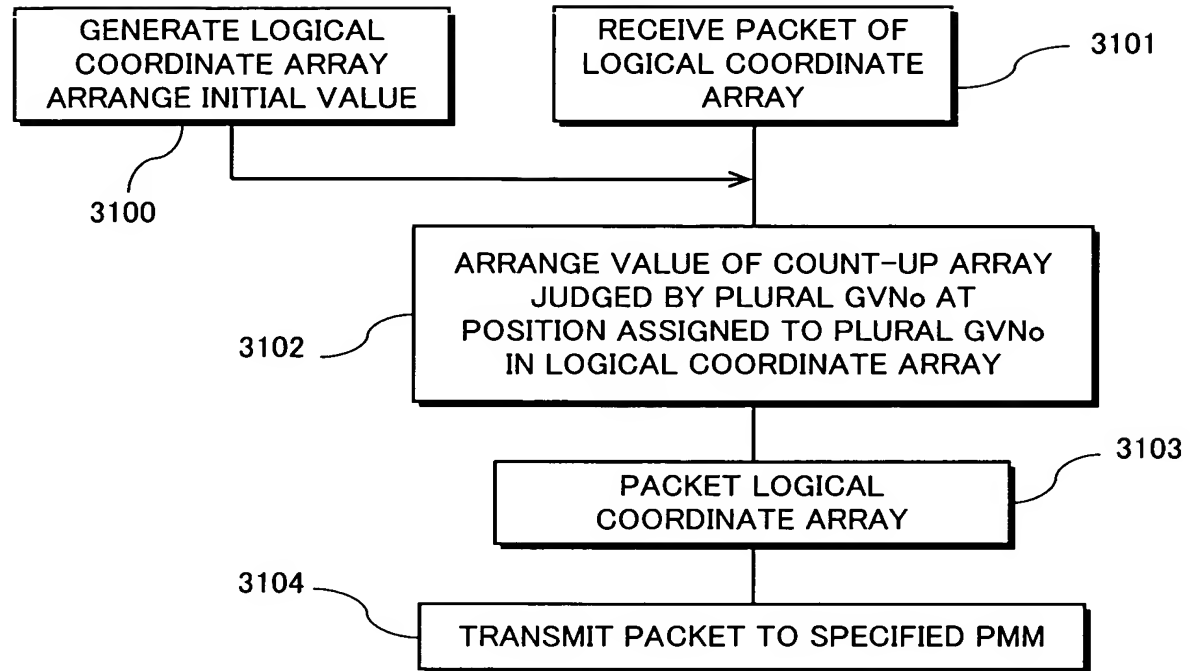
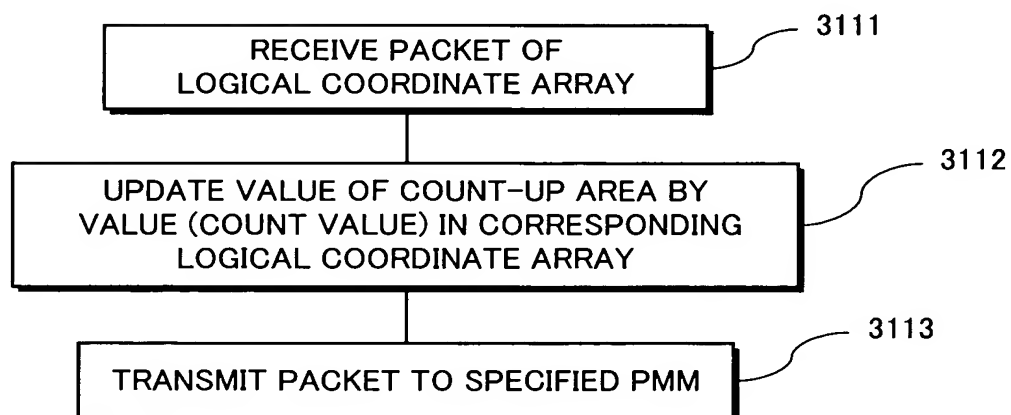


FIG.31B



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FIG.32

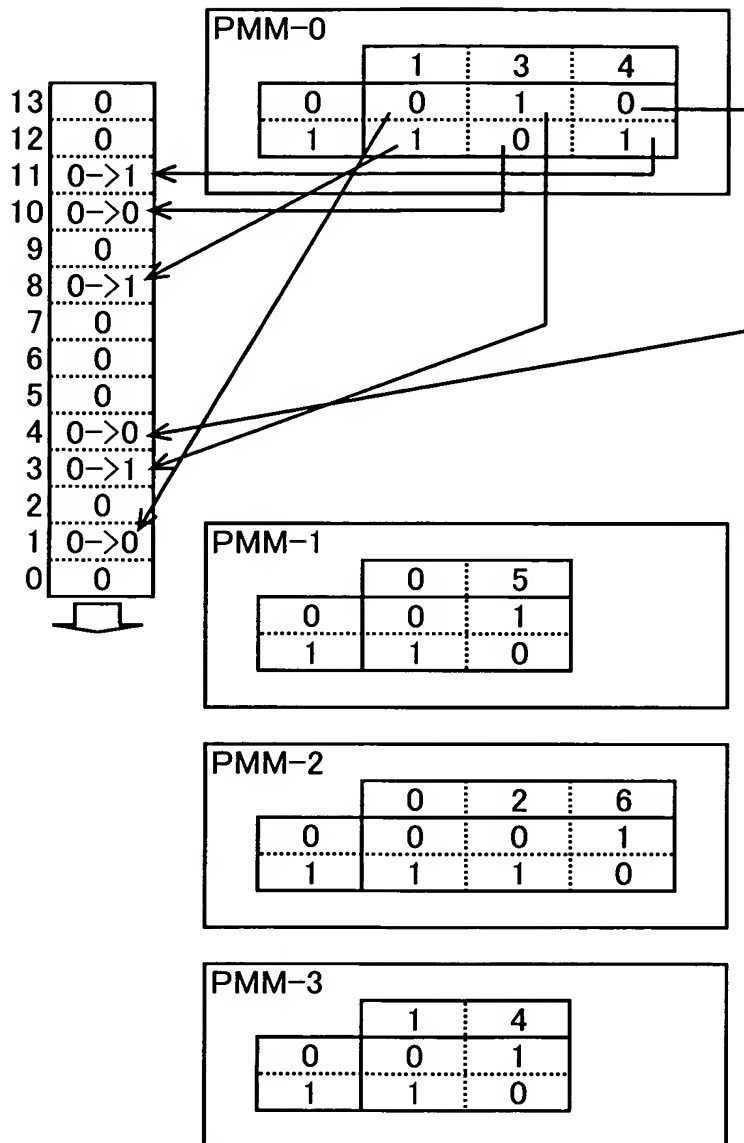


FIG.33

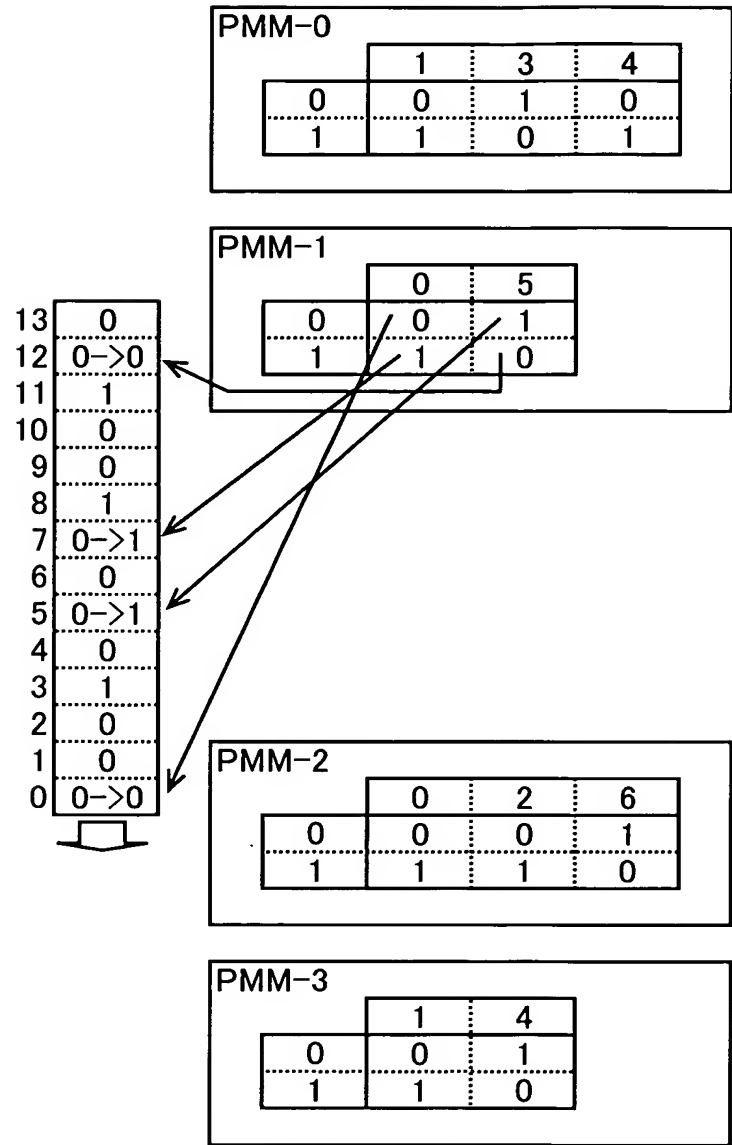
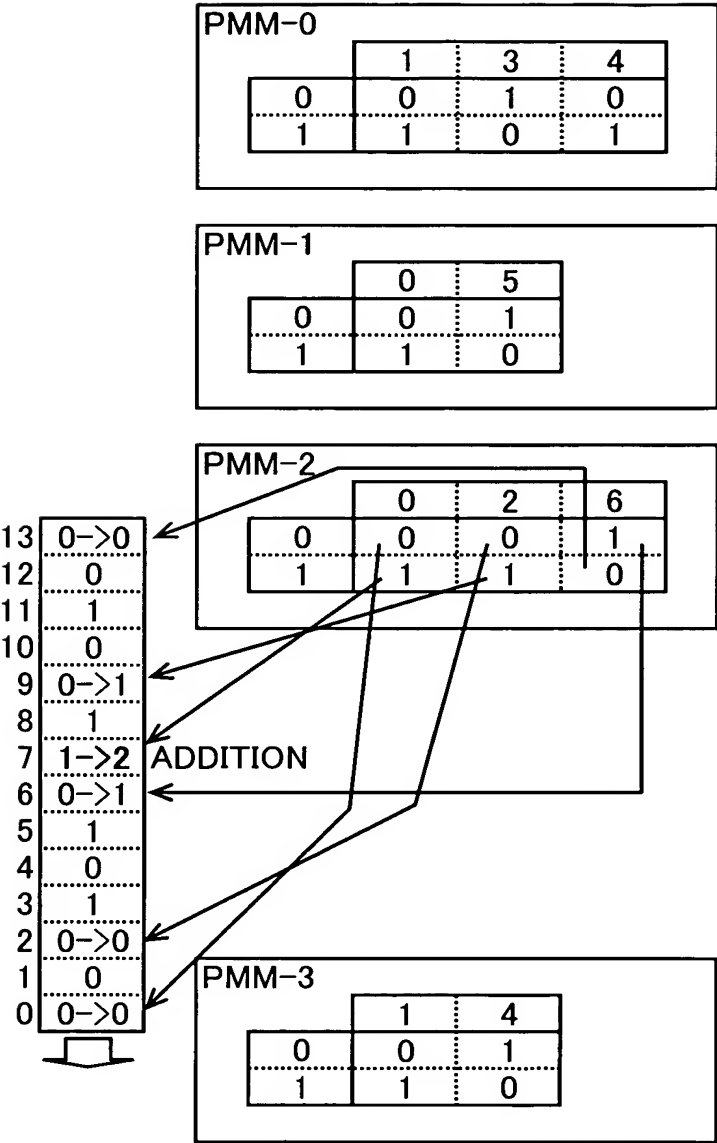
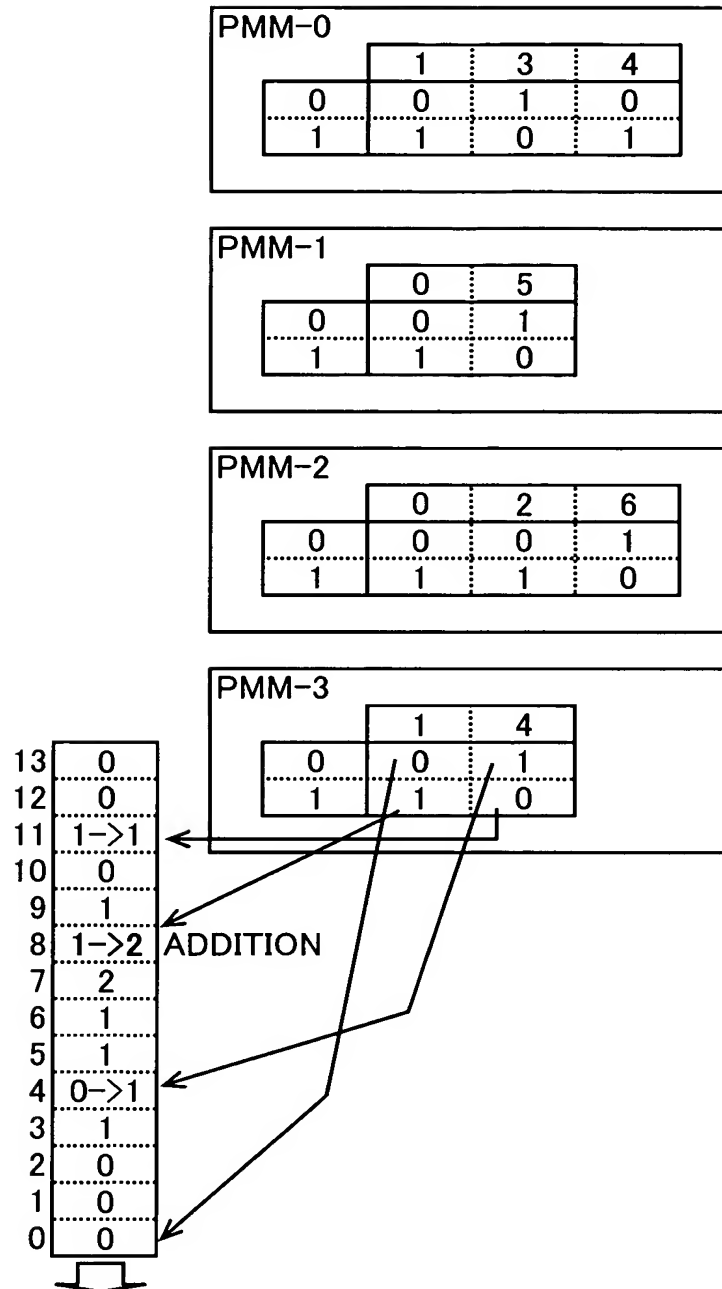


FIG.34



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FIG.35



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FIG.36

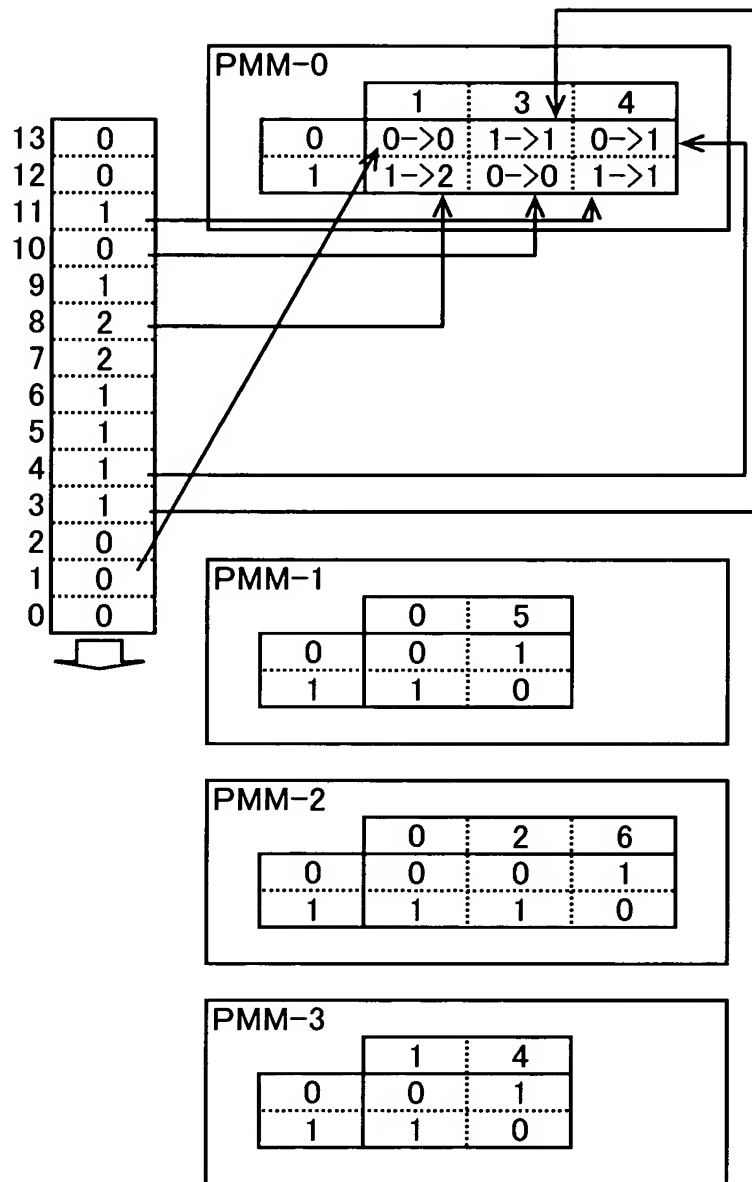
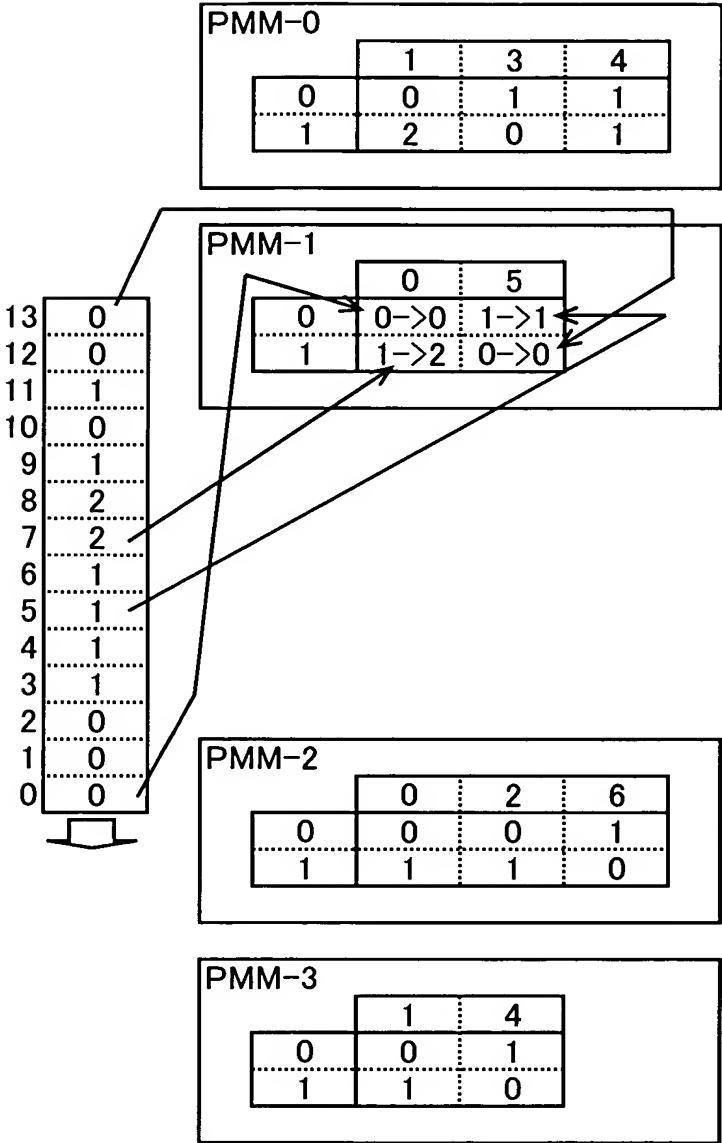
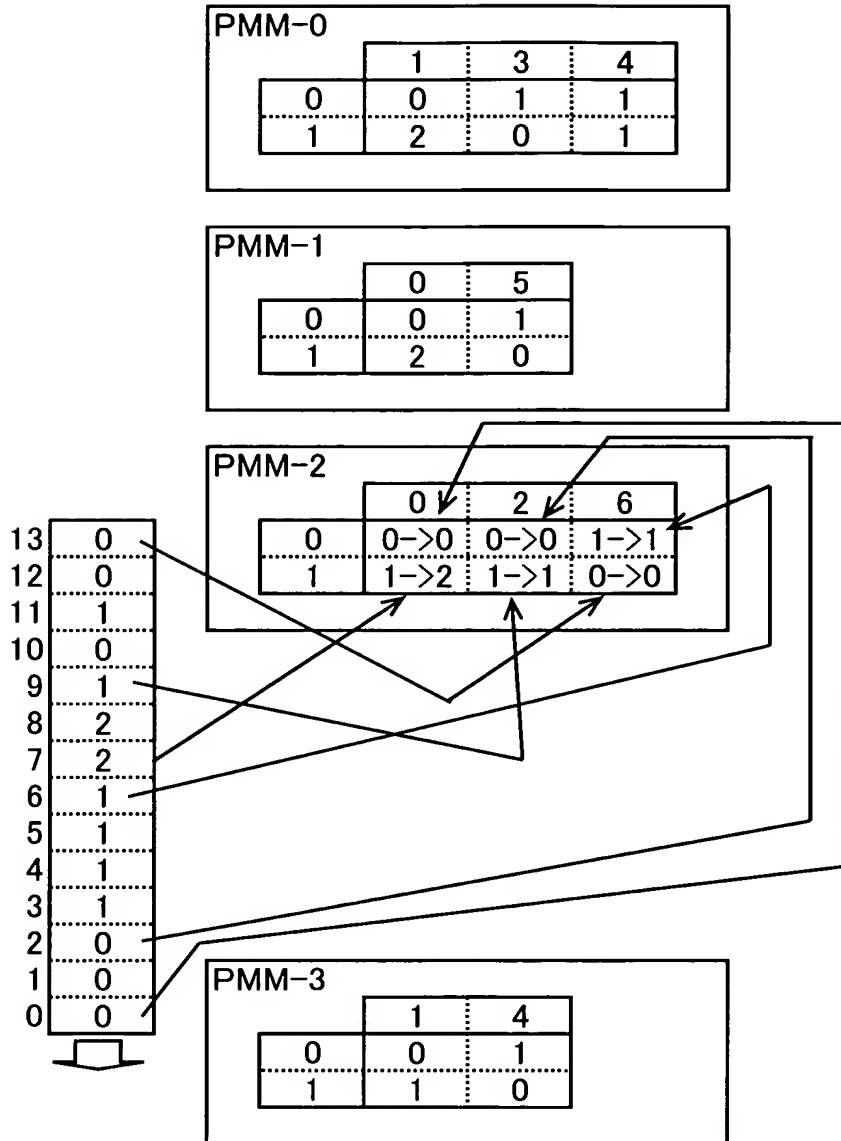


FIG.37



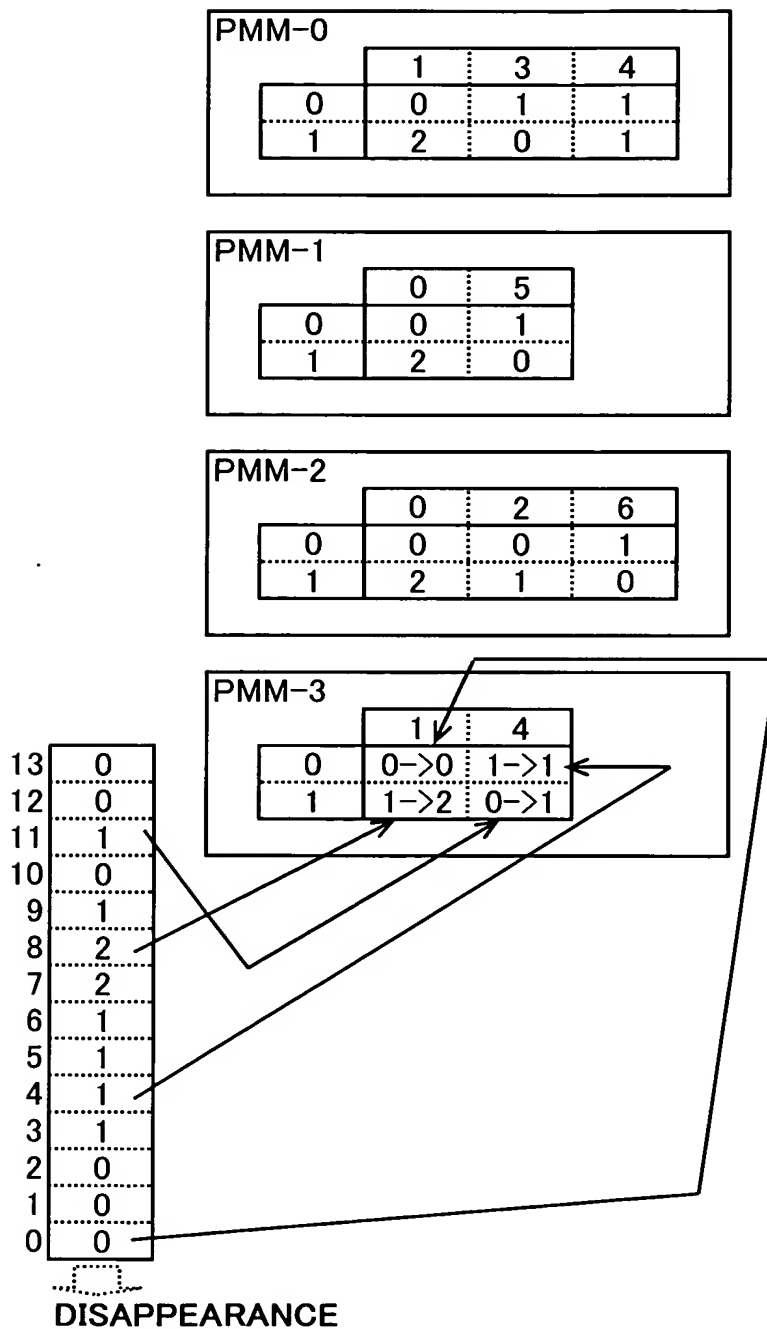
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FIG.38



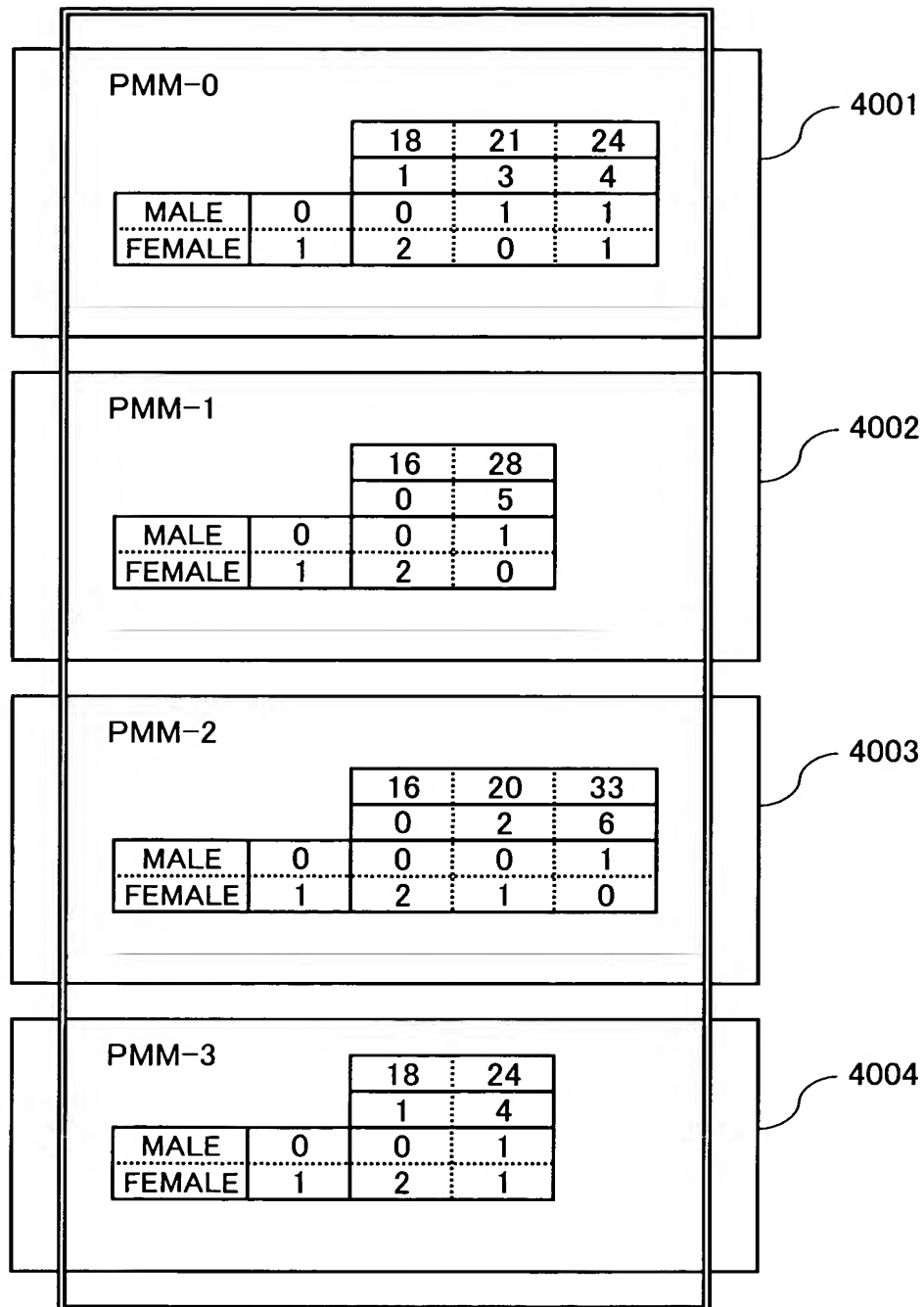
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FIG.39



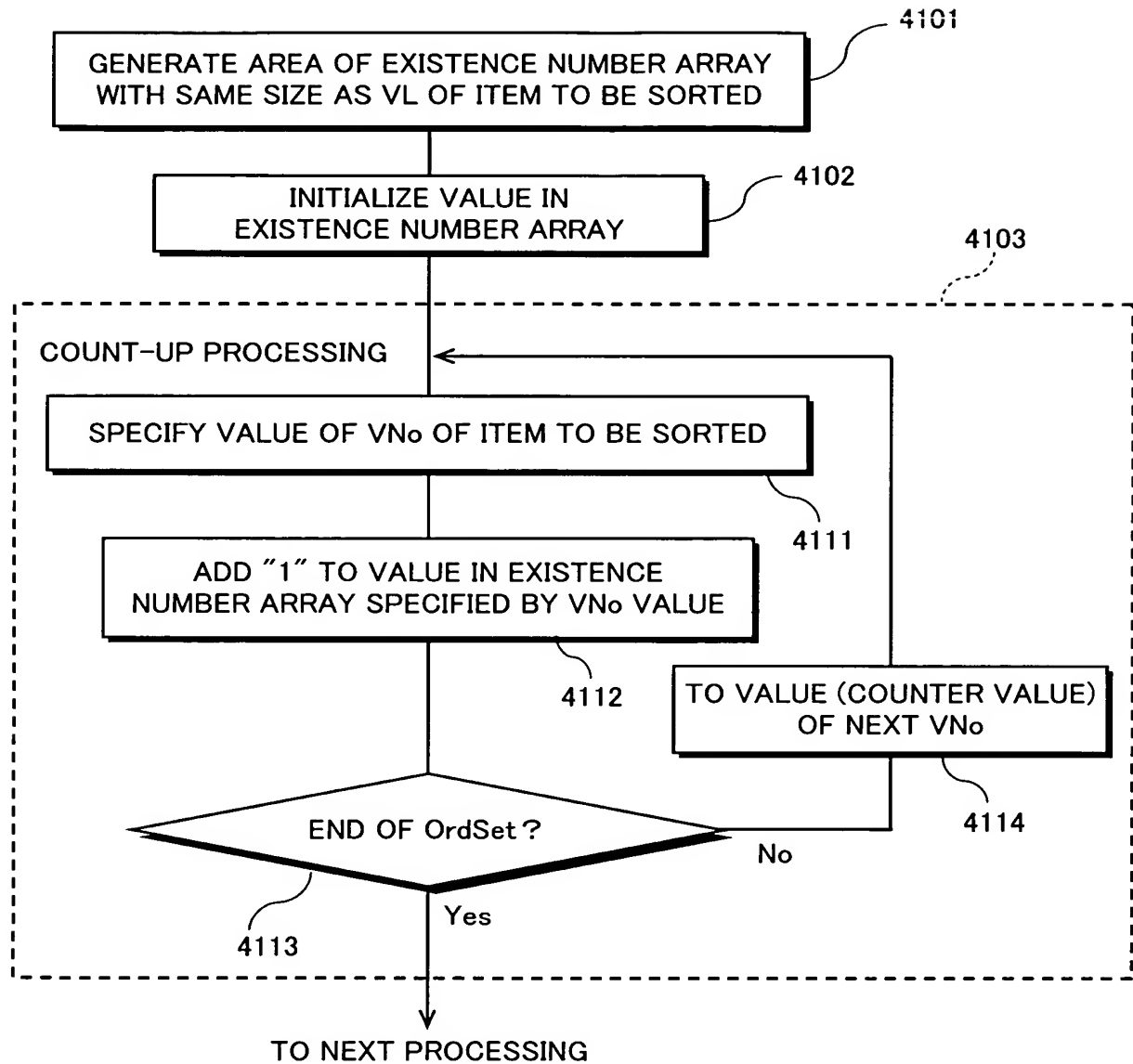
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FIG.40



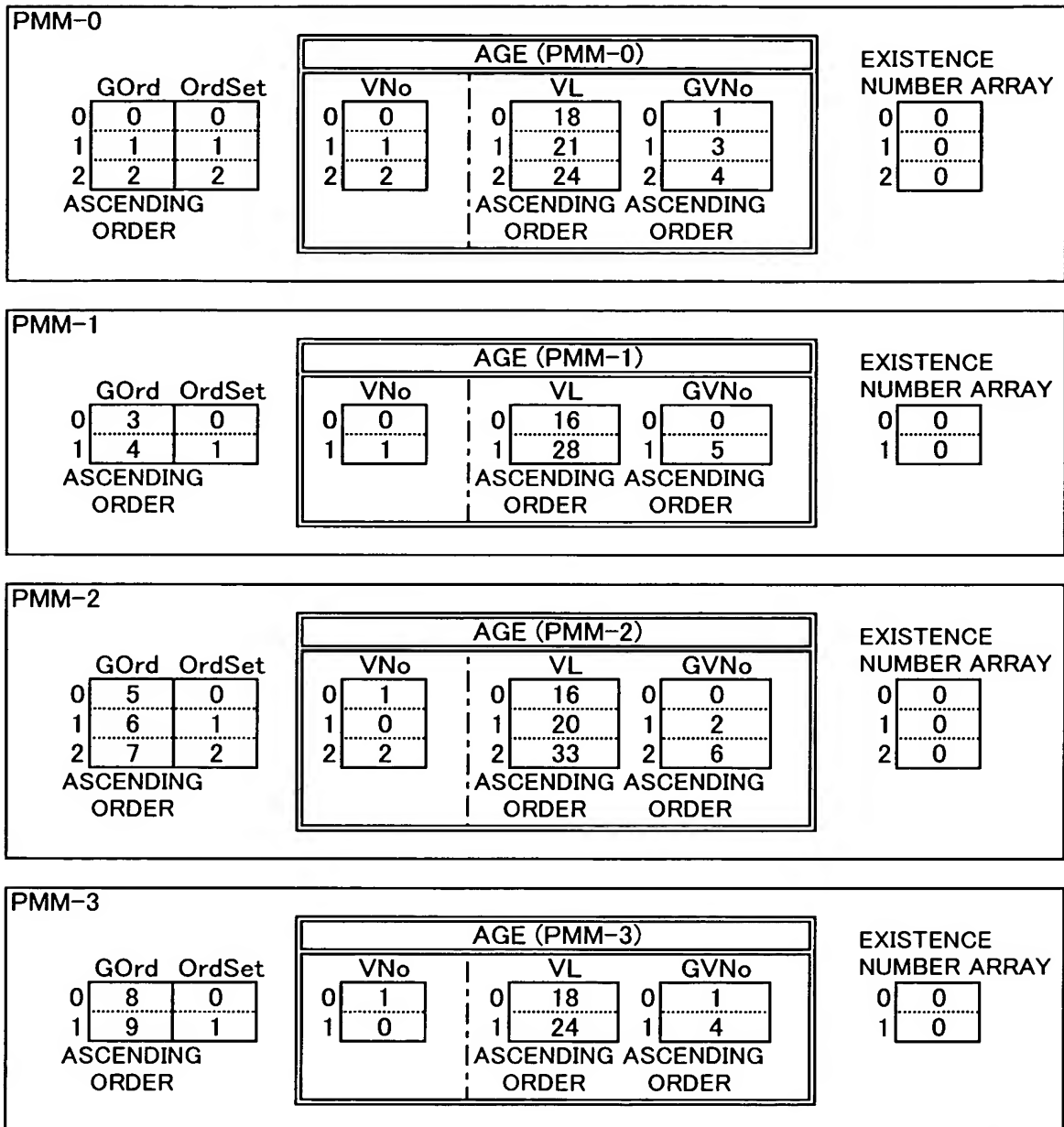
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FIG.41



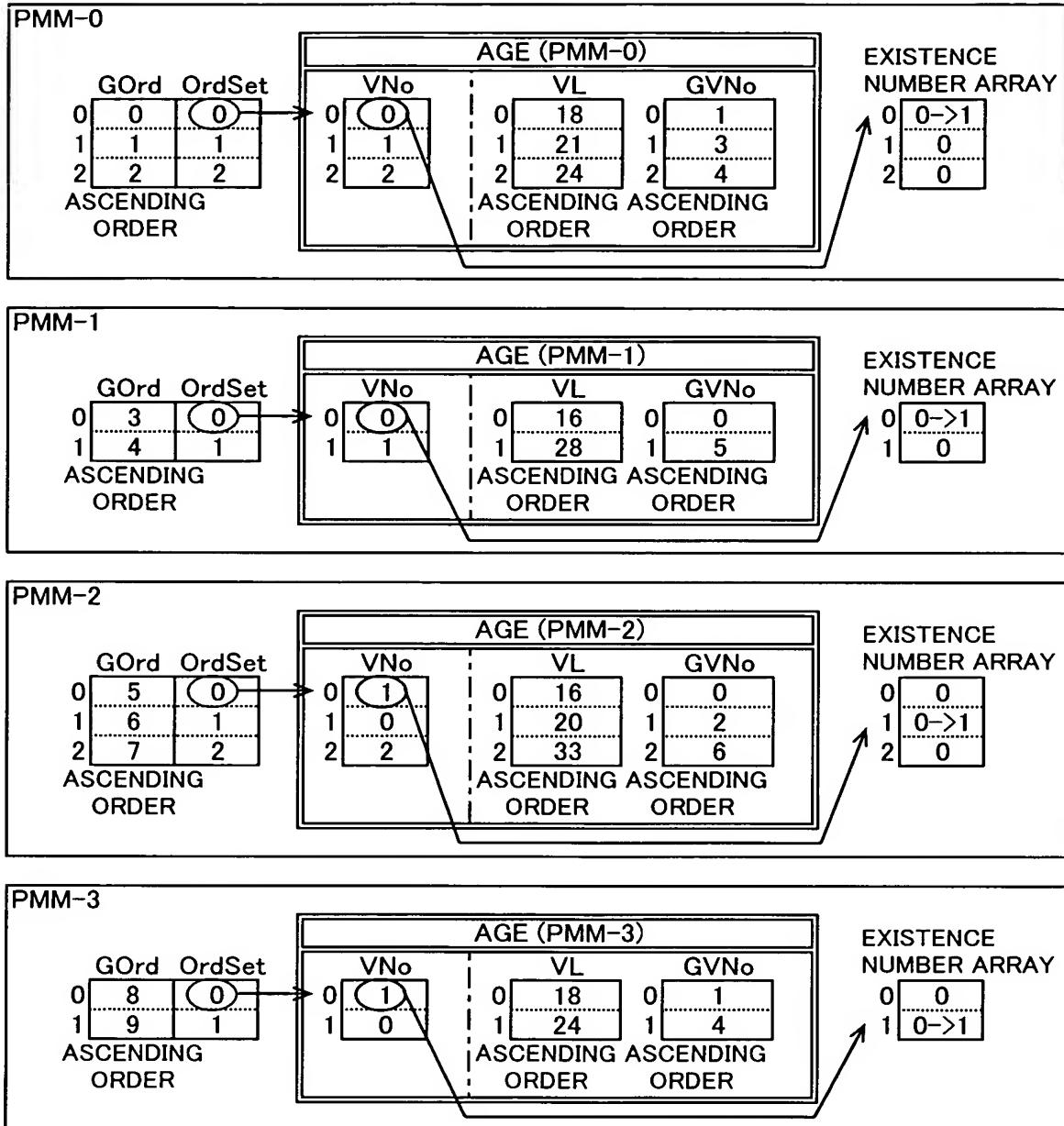
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FIG.42



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FIG.43



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FIG.44

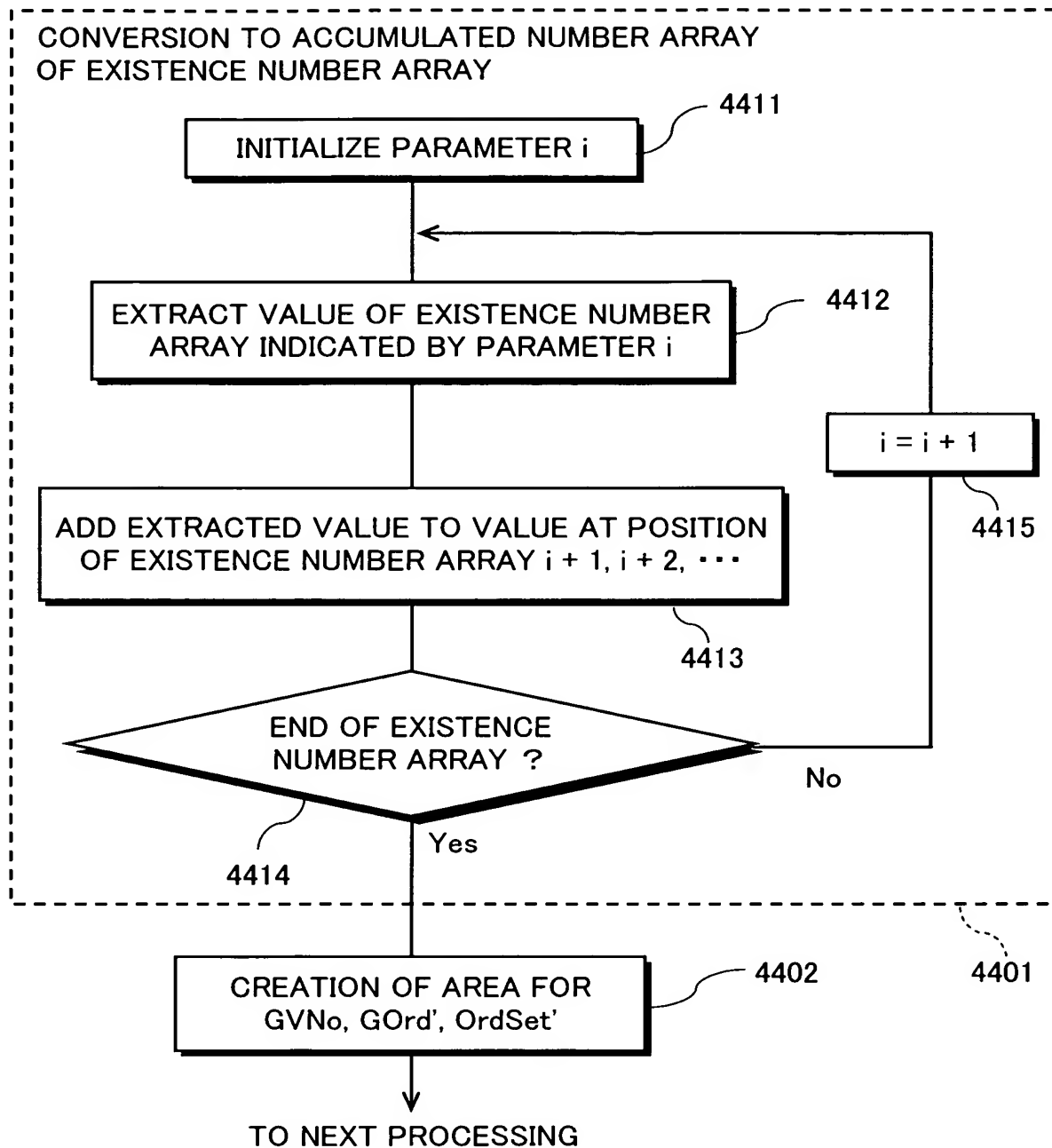
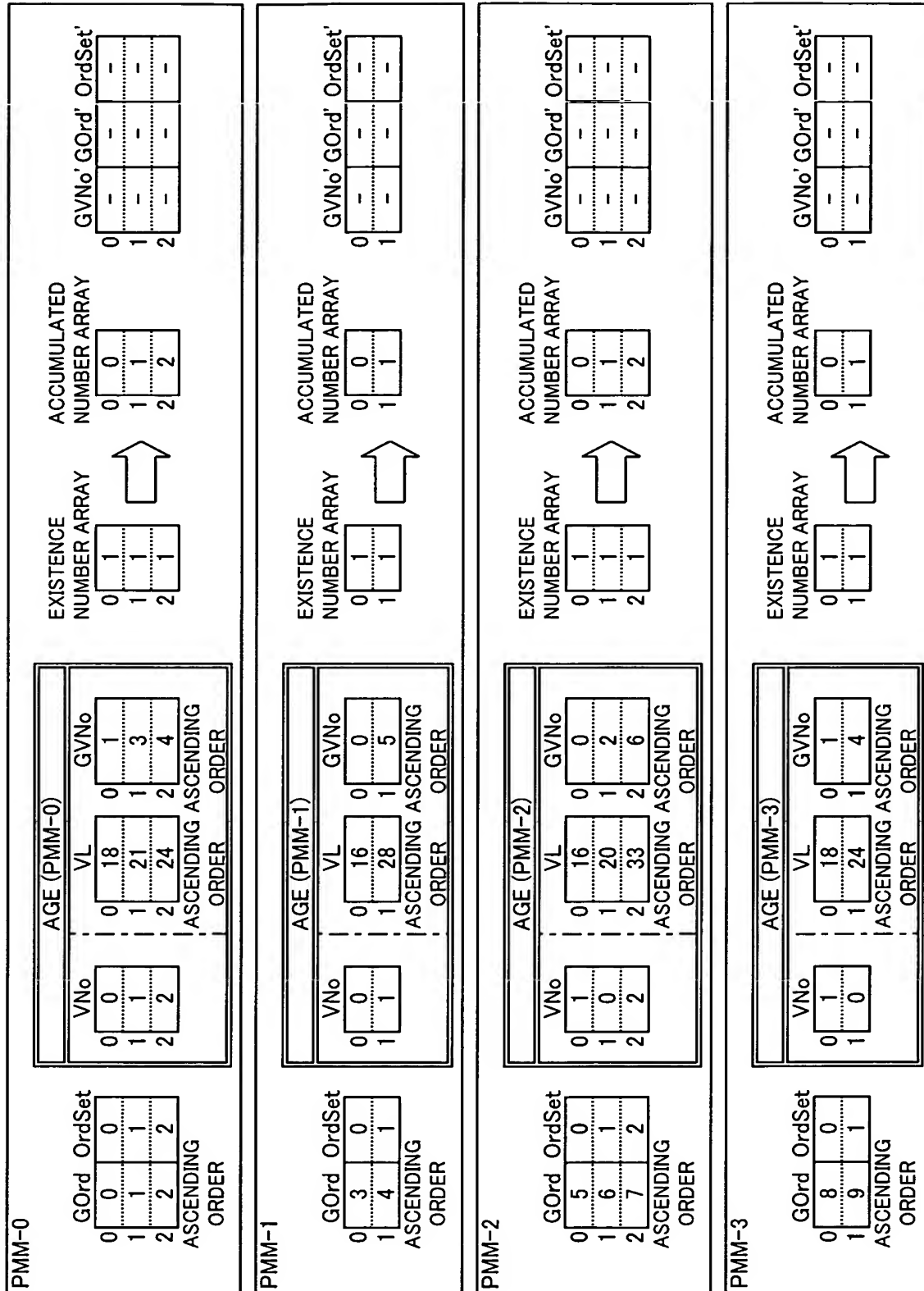


FIG.45



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FIG.46

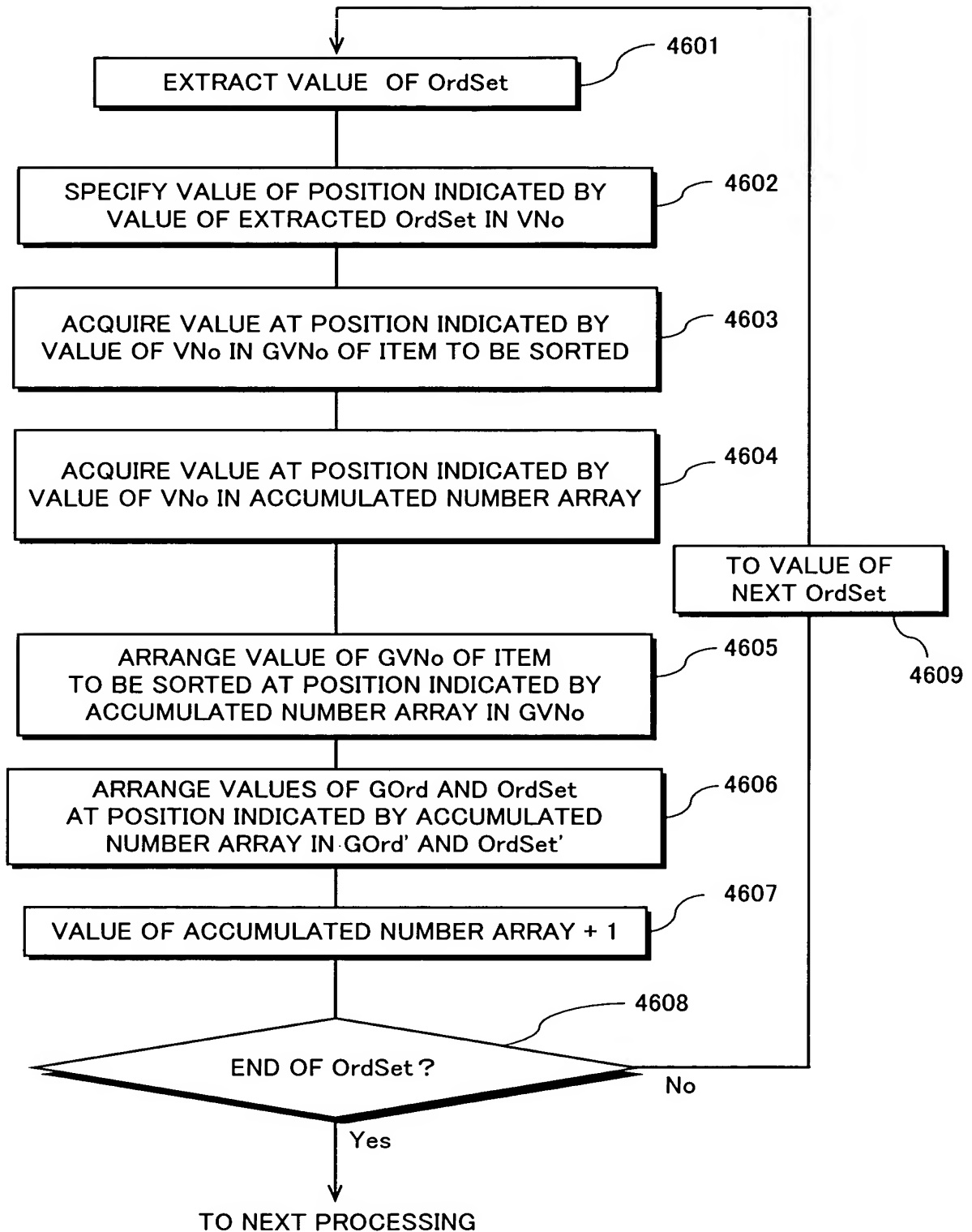


FIG. 47

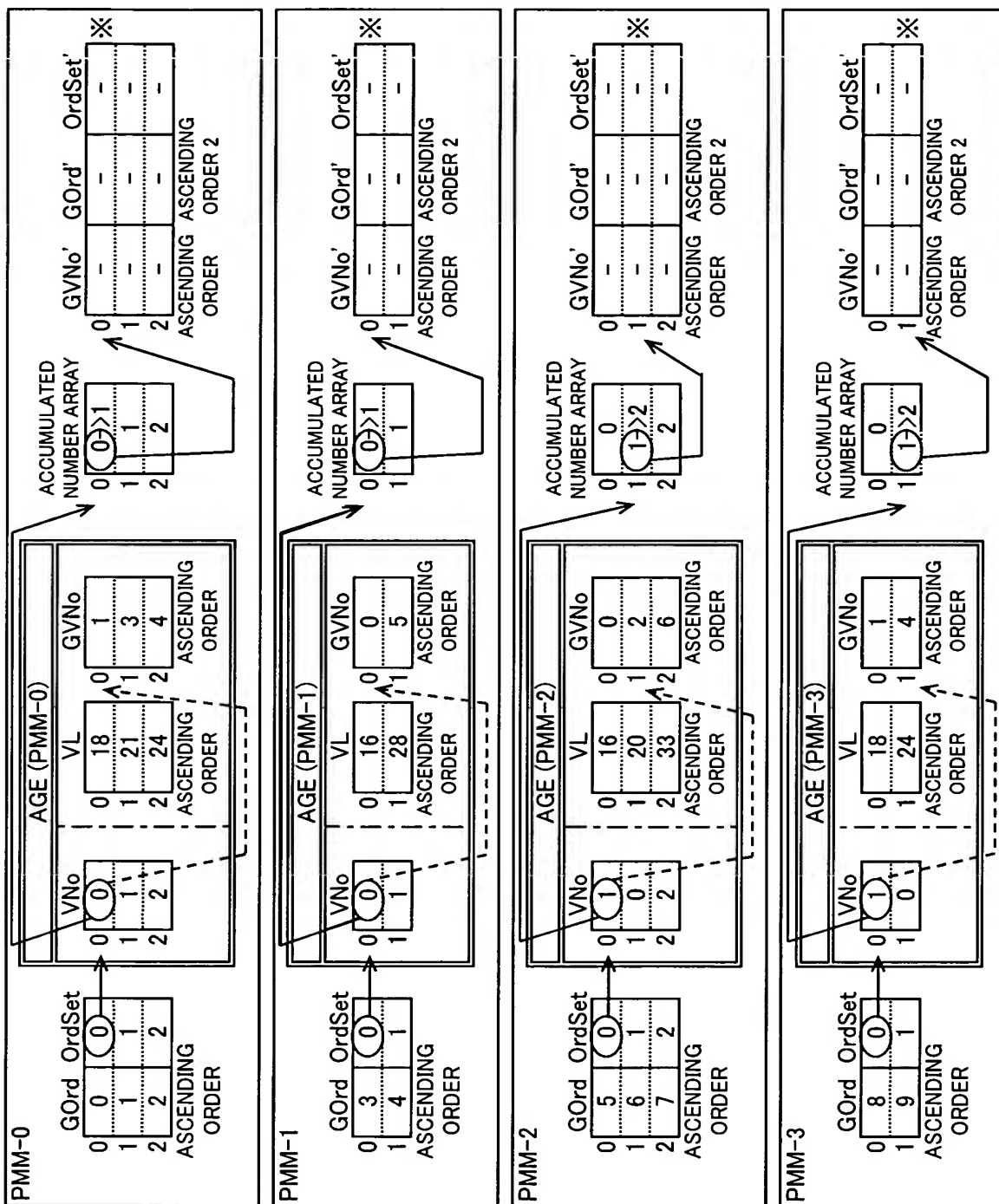
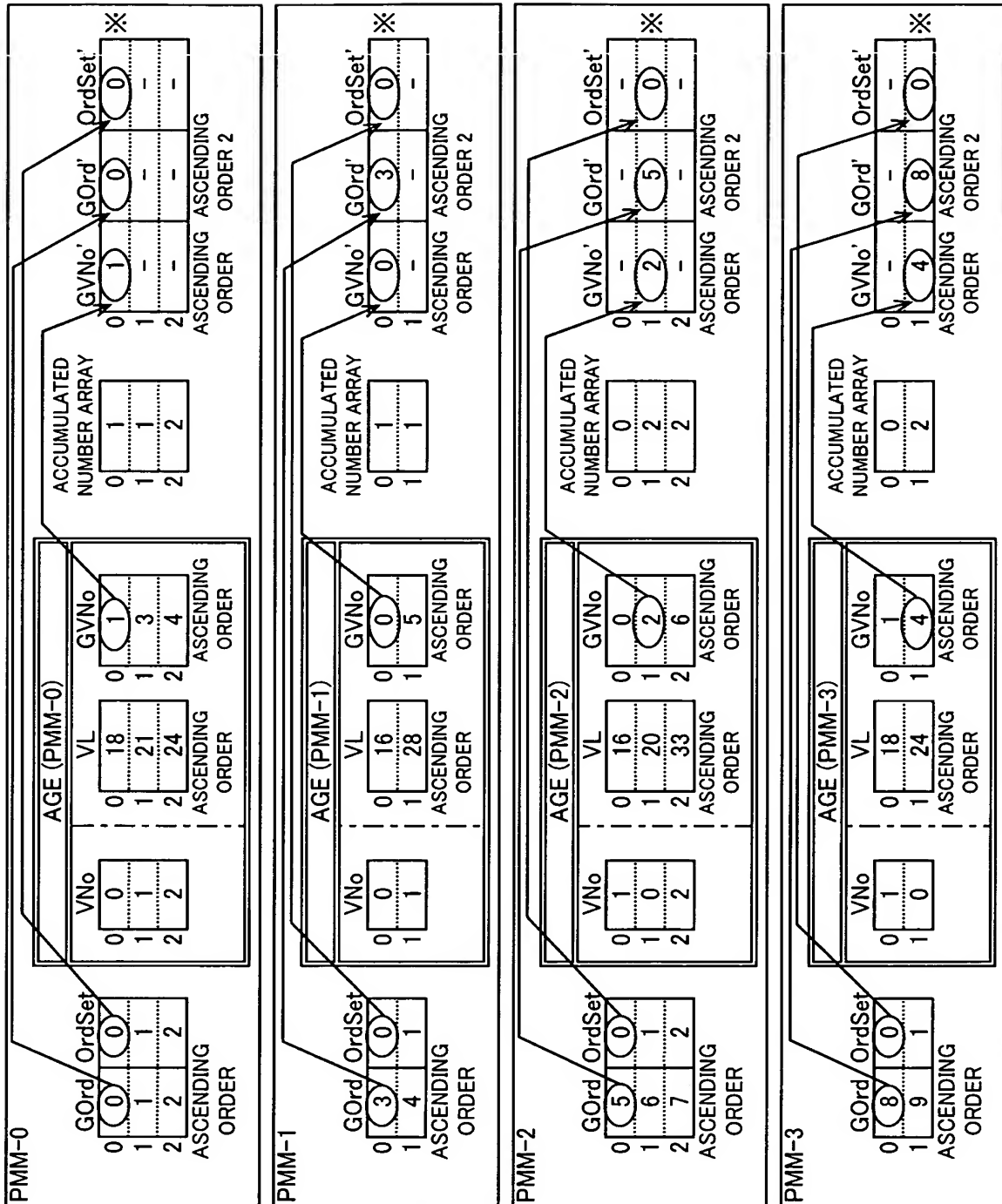
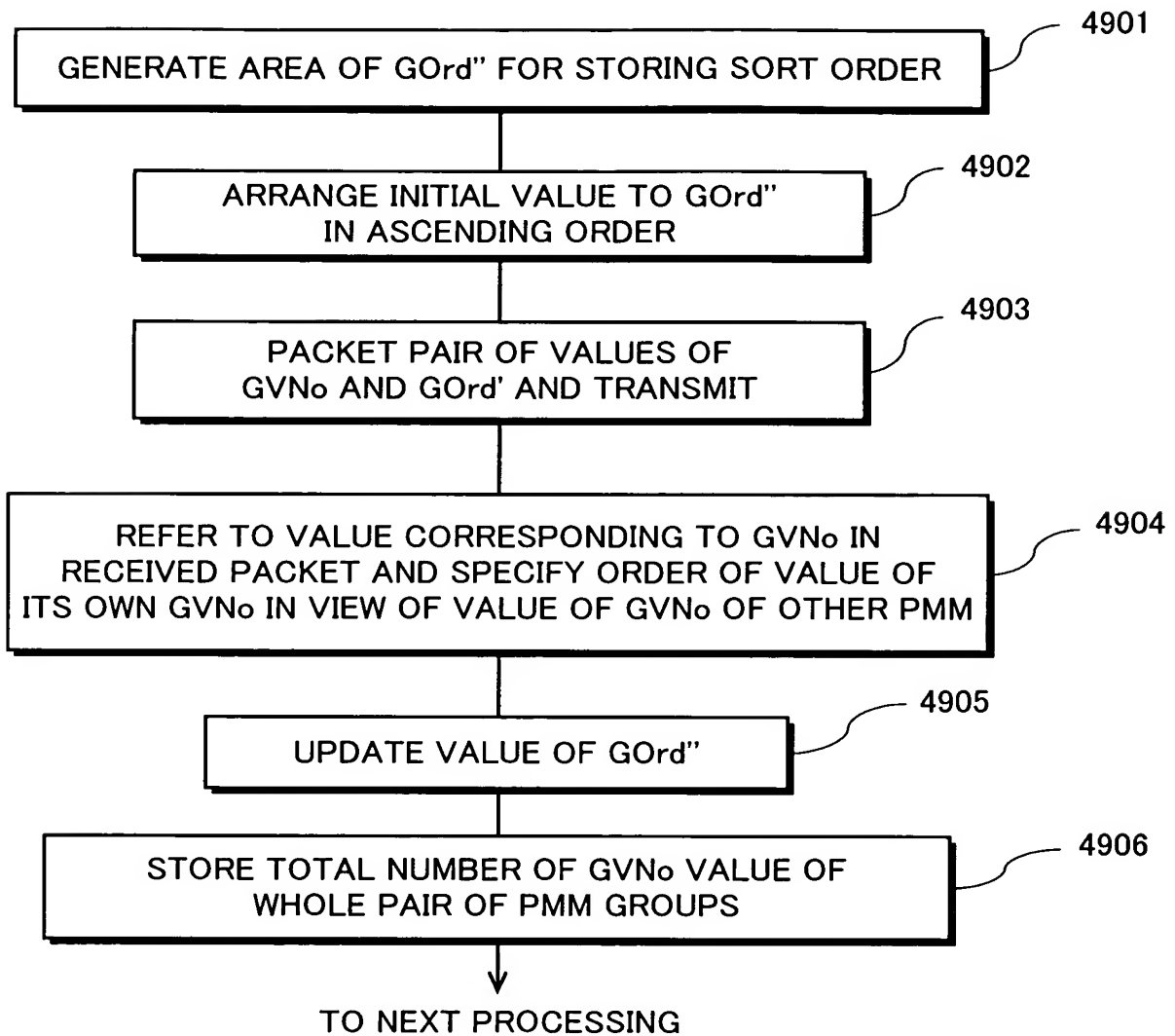


FIG.48



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FIG.49



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FIG.50

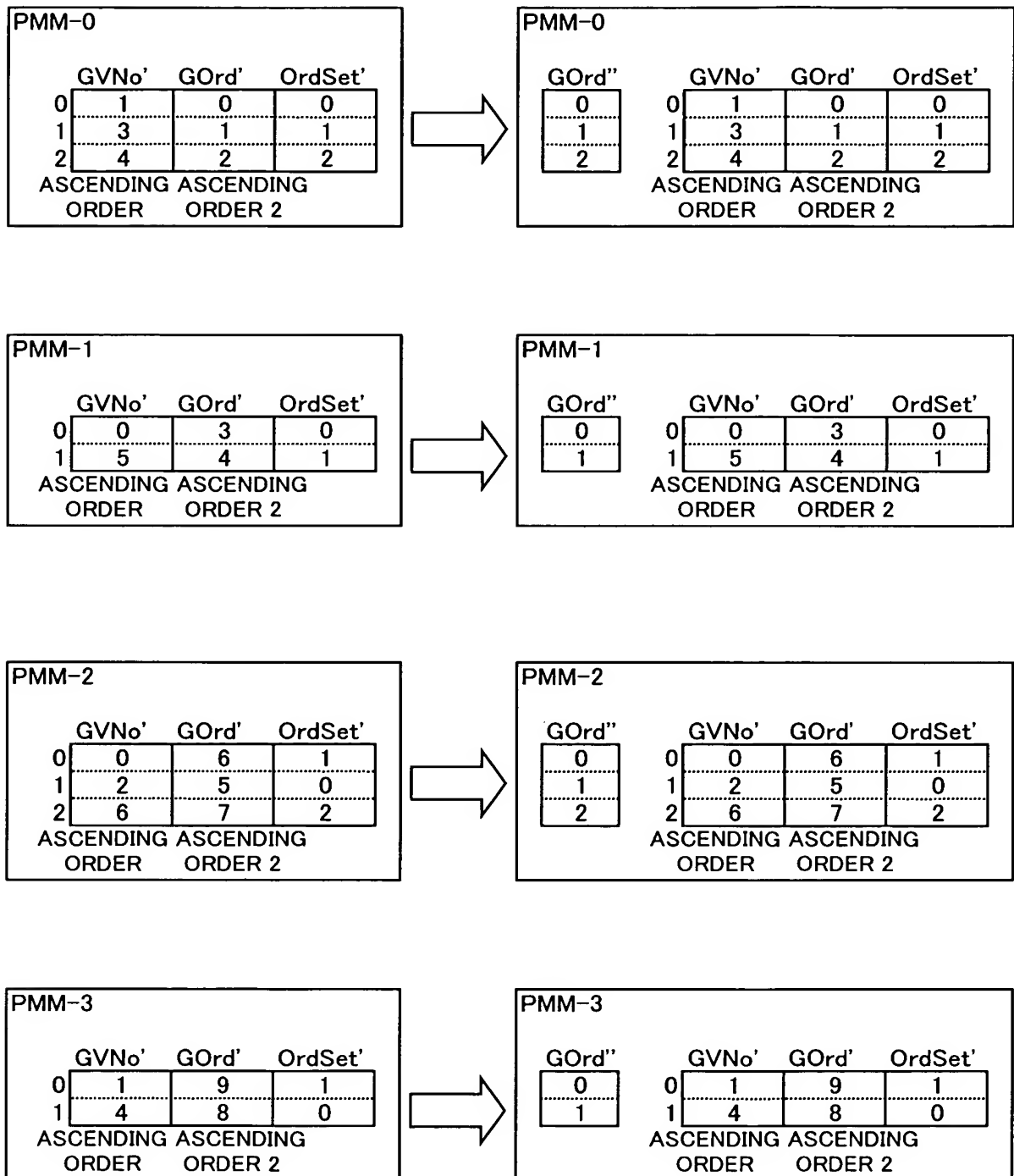
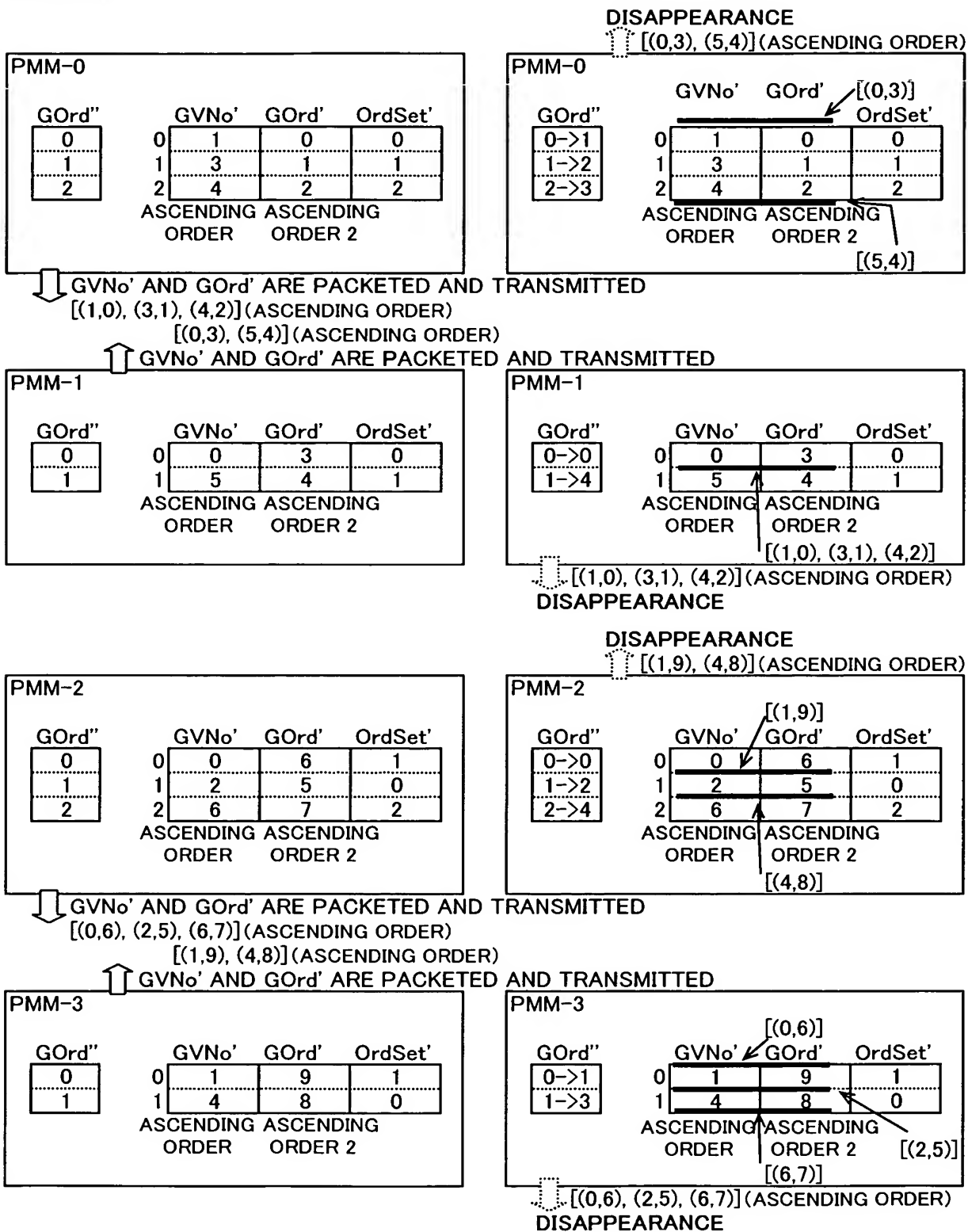


FIG.51



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FIG.52A

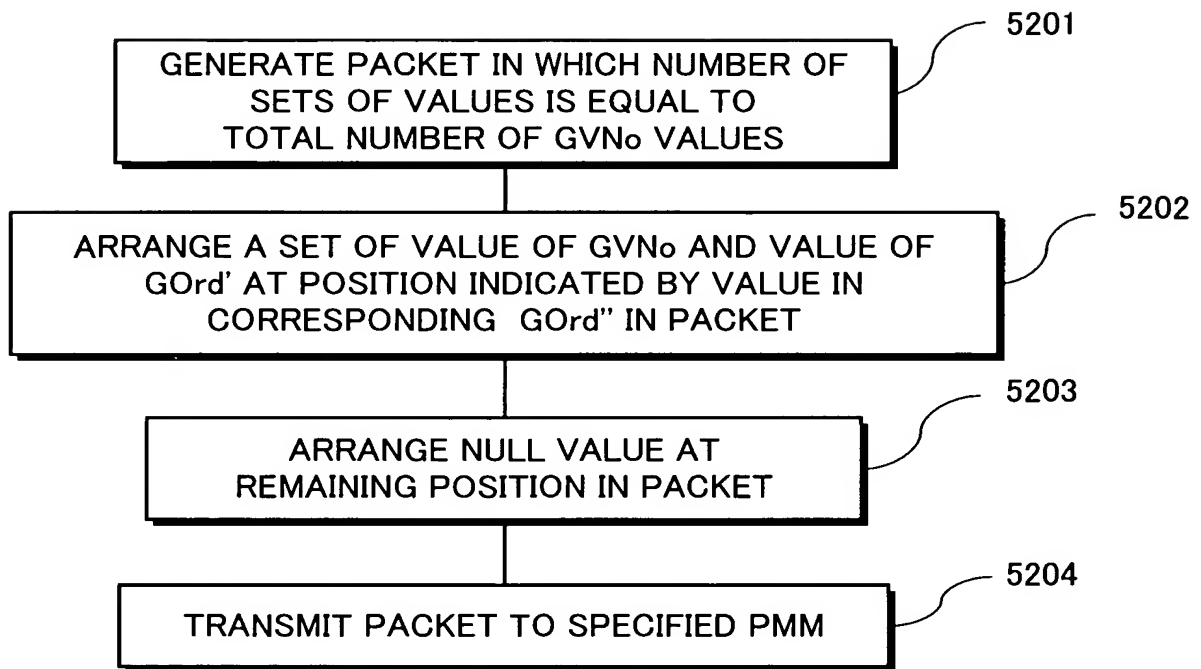
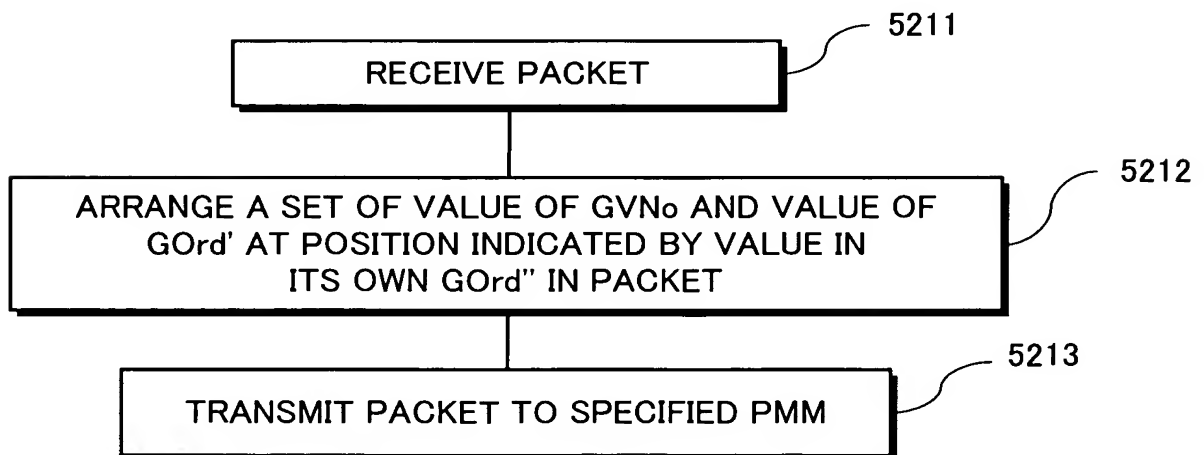


FIG.52B



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FIG.53

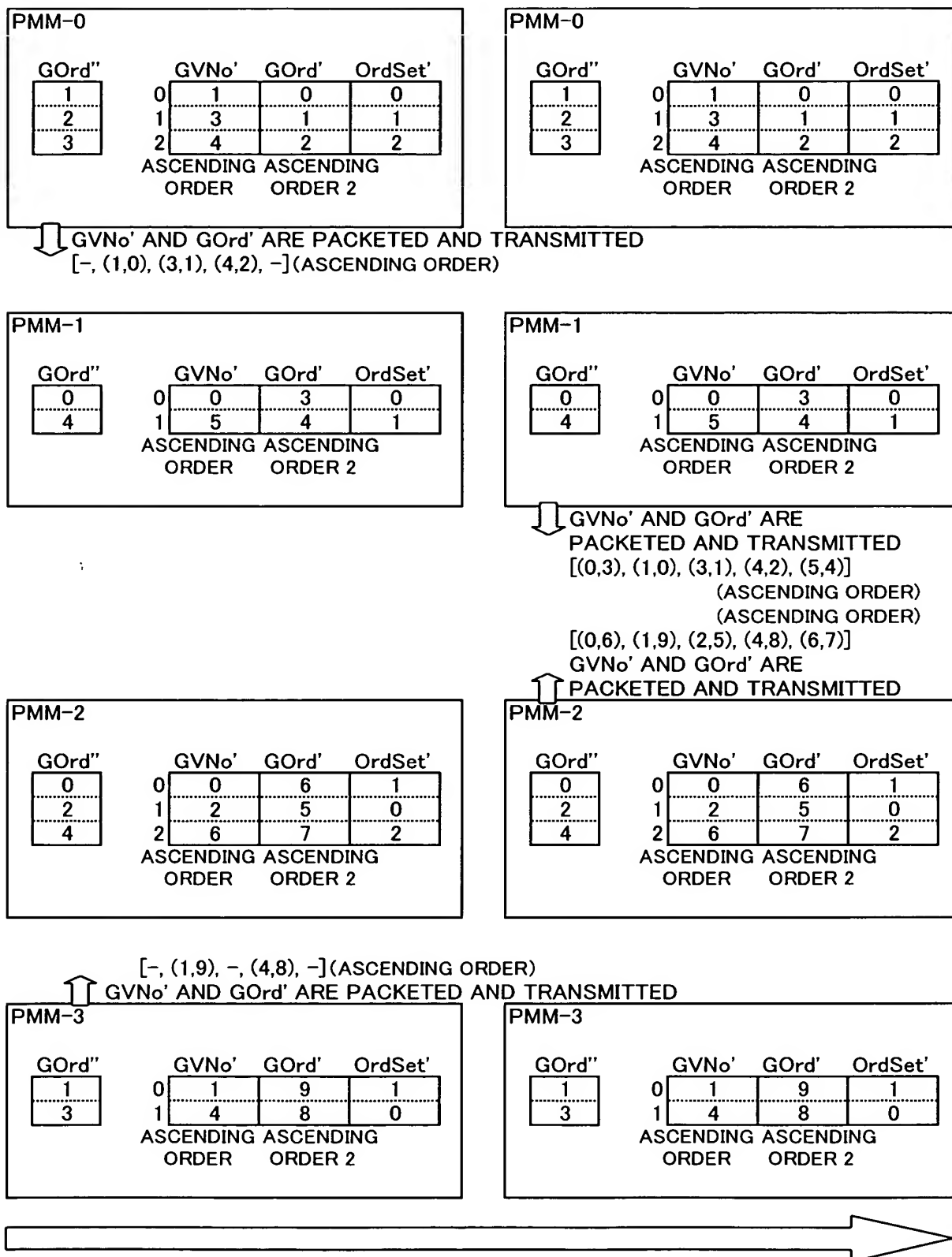


FIG.54

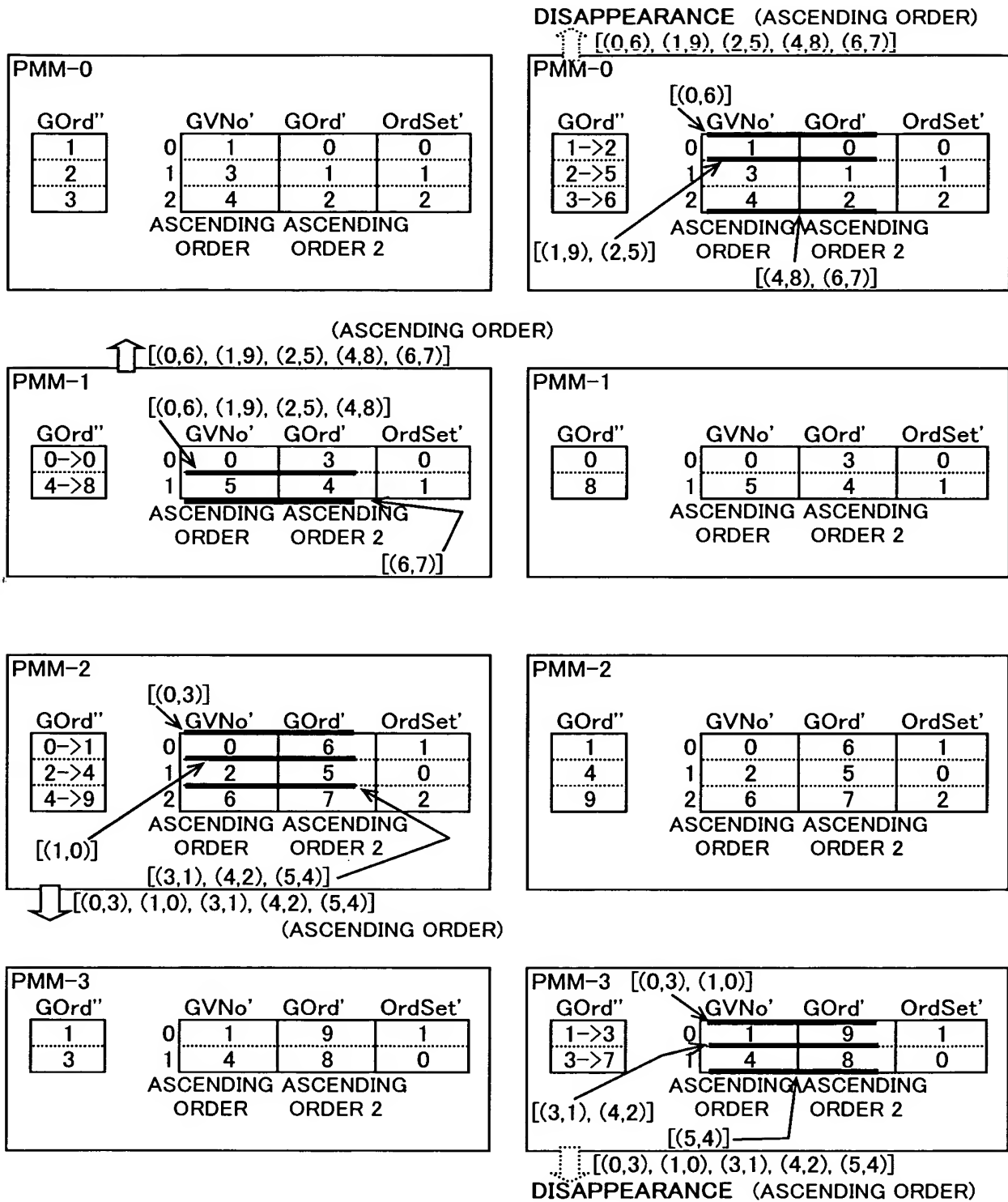


FIG.56

OFFSET= 0														
GOrd OrdSet			GENDER (PMM-0)			AGE (PMM-0)			HEIGHT (PMM-0)			WEIGHT (PMM-0)		
0	2	0	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo
1	5	1	0	MALE	0	0	18	0	1	159	0	1	48	0
2	6	2	1	FEMALE	1	1	21	1	2	168	1	2	55	1
ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER		
OFFSET= 3														
GOrd OrdSet			GENDER (PMM-1)			AGE (PMM-1)			HEIGHT (PMM-1)			WEIGHT (PMM-1)		
0	0	0	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo
1	8	1	0	MALE	0	0	16	0	0	172	0	0	48	0
ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER		
OFFSET= 5														
GOrd OrdSet			GENDER (PMM-2)			AGE (PMM-2)			HEIGHT (PMM-2)			WEIGHT (PMM-2)		
0	1	1	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo
1	4	0	0	MALE	0	0	16	0	0	166	0	1	52	0
2	9	2	1	FEMALE	1	1	20	1	1	168	1	0	55	1
ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER		
OFFSET= 8														
GOrd OrdSet			GENDER (PMM-3)			AGE (PMM-3)			HEIGHT (PMM-3)			WEIGHT (PMM-3)		
0	3	1	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo	VNo	VL	GVNo
1	7	0	0	MALE	0	0	18	0	0	170	0	0	55	0
ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER			ASCENDING ORDER		

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FIG.57

	GENDER	AGE	HEIGHT	WEIGHT
0	FEMALE	18	168	55
1	MALE	21	172	64
2	FEMALE	24	159	48
3	FEMALE	16	172	48
4	MALE	28	181	78
5	FEMALE	20	166	55
6	FEMALE	16	168	52
7	MALE	33	174	65
8	MALE	24	177	64
9	FEMALE	18	170	55

BEFORE SORT

	GENDER	AGE	HEIGHT	WEIGHT
0 3	FEMALE	16	172	48
1 6	FEMALE	16	168	52
2 0	FEMALE	18	168	55
3 9	FEMALE	18	170	55
4 5	FEMALE	20	166	55
5 1	MALE	21	172	64
6 2	FEMALE	24	159	48
7 8	MALE	24	177	64
8 4	MALE	28	181	78
9 7	MALE	33	174	65

AFTER SORT

FIG.58A

OrdSet	
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
FEMALE	18	168	55
MALE	21	172	64
FEMALE	24	159	48
FEMALE	16	172	48
MALE	28	181	78
FEMALE	20	166	55
FEMALE	16	168	52
MALE	33	174	65
MALE	24	177	64
FEMALE	18	170	55

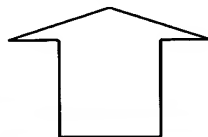


FIG.58B

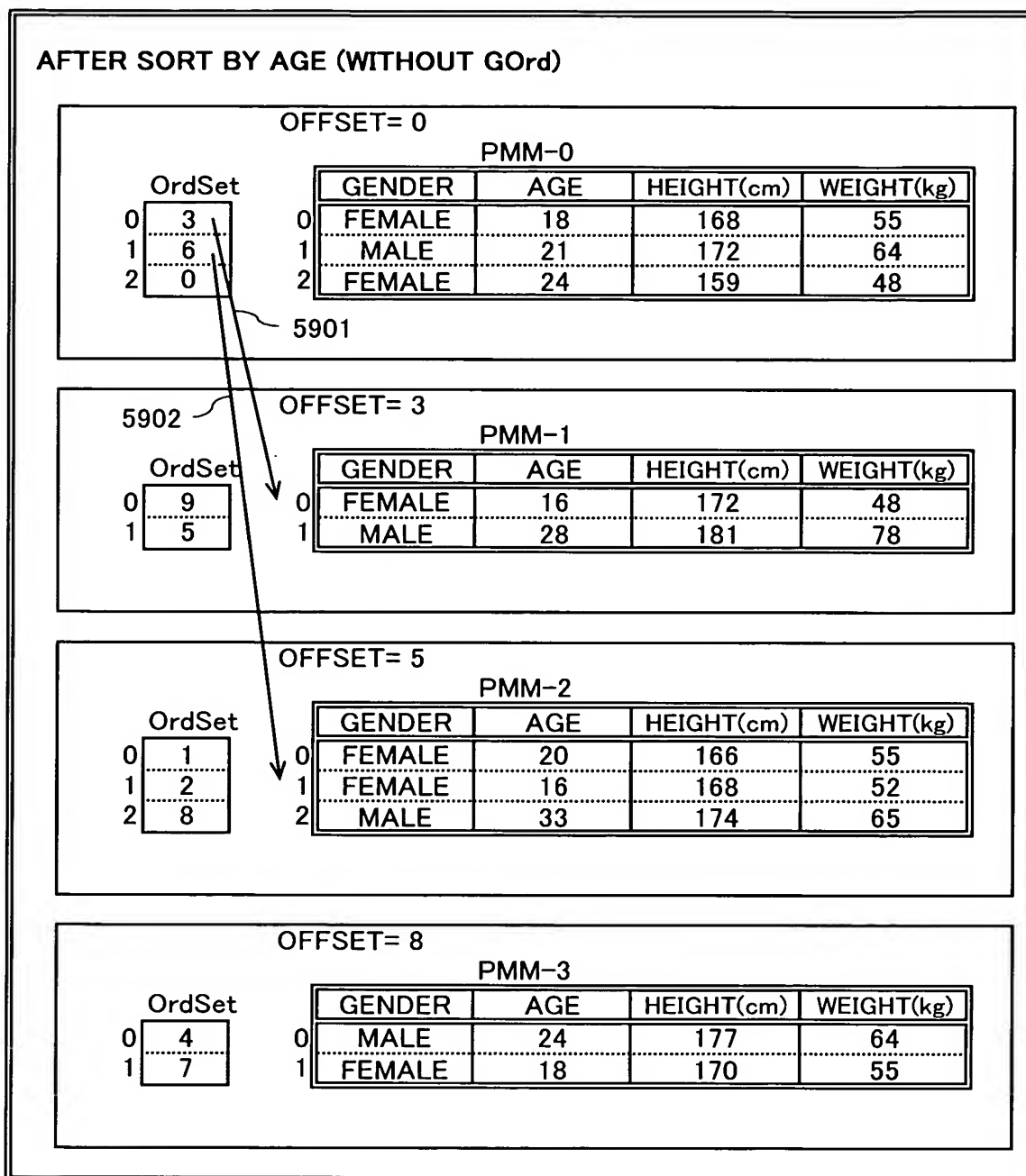
OrdSet	
0	3
1	6
2	0
3	9
4	5
5	1
6	2
7	8
8	4
9	7

GENDER	AGE	HEIGHT(cm)	WEIGHT(kg)
FEMALE	18	168	55
MALE	21	172	64
FEMALE	24	159	48
FEMALE	16	172	48
MALE	28	181	78
FEMALE	20	166	55
FEMALE	16	168	52
MALE	33	174	65
MALE	24	177	64
FEMALE	18	170	55

5800

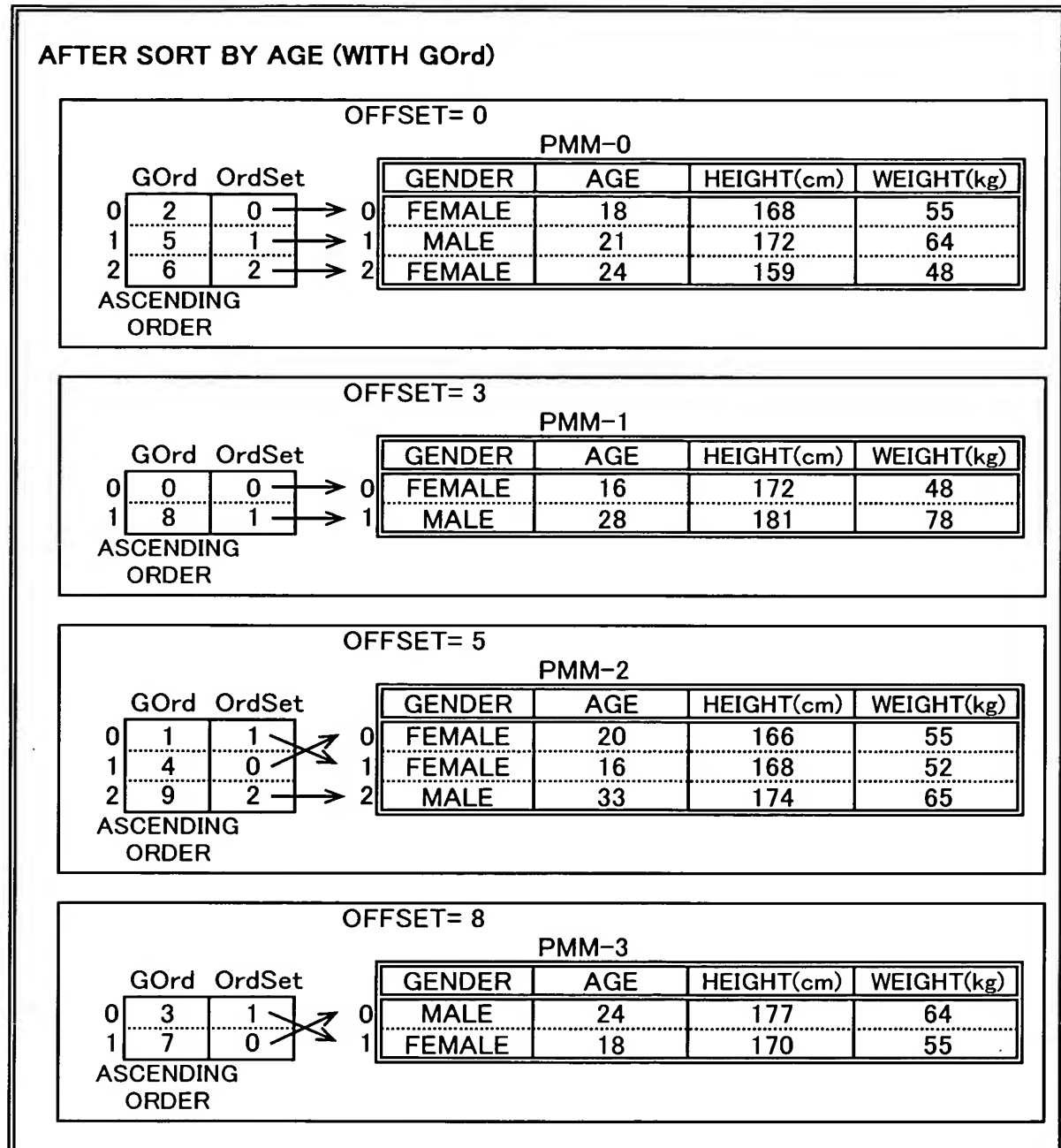
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FIG.59



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FIG.60



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FIG.61

